SAMSUNG

DIGITAL TELEVISION

SP43W6
SP42Q2
SP43Q5

Owner's Instructions

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

ON-SCREEN MENUS
TELETEXT
SELF FOCUS

VIRTUAL DOLBY SURROUND

Register your product at www.samsung.com/global/register

Important Warranty Information Regarding Television Format Viewing

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. ***Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (CRTs) that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.*** On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven CRT aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.

Contents

◆ **FOREWORD**
- Important Warranty Information Regarding Television Format Viewing 3

◆ **CONNECTING AND PREPARING YOUR TELEVISION**
- Control Panels (depending on the model) 6
- Connection Panels (depending on the model) 7
- Using a Display Deck (depending on the model) 8
- Inserting the Batteries in the Remote Control 8
- Infrared Remote Control 9
- Connecting to an Aerial or Cable Television Network 10
- Connecting a Satellite Receiver or Decoder 11
- Switching Your Television On and Off 12
- Placing Your Television in Standby Mode 12
- Becoming Familiar with the Remote Control 13
- Plug and Play Feature 14
- Changing Channels 16
- Displaying Information 17
- Choosing Your Language 17
- Adjusting the Screen Automatically (Self Focus) 18
- Deactivating the Automatic Execution of the Self Focus 19
- Removing the “Self Focus” from the Display 20

◆ **USING THE DTV FEATURE**
- Previewing the DTV Menu System 21
- Choosing Your Language 22
- Adjusting the Translucency Level 23
- Updating the Channel List Automatically 24
- Updating the Channel List Manually 25
- Editing Your Favourite Channels 26
- Setting up the Parental Lock 28
- Viewing EPG (Electronic Programme Guide) Information 29
- Using the Scheduled List 30
- Setting the Default Guide 32
- Viewing All Channels and Favourite Channels 33
- Selecting Category Colours 34
- Viewing Channel Lists 35
- Displaying Programme Information 35
- Using Your Preferred Features 36
- Viewing Product Information 37
- Checking the Signal Information 37
- Upgrading the Software (Option) 38
- Viewing Common Interface 39
- Selecting the CI Menu 40
- Resetting 41
- Freezing the Current Picture 41

◆ **SETTING THE CHANNELS (ANALOG TV)**
- Storing Channels Automatically 42
- Sorting the Stored Channels 43
- Storing Channels Manually 44
- Skipping Unwanted Channels 46
- Assigning Names to Channels 47

Contents (continued)

◆ **SETTING THE CHANNELS (ANALOG TV)** (continued)
- Locking the Channel 48
- Fine Tuning Channel Reception 49

◆ **USING YOUR TELEVISION**
- Using the LNA (Low Noise Amplifier) Feature 50
- Changing the Picture Standard 51
- Customizing the Picture Settings 52
- Selecting the Picture Size (Wide Model : Analog Mode) 54
- Selecting the Picture Size (Wide Model : DTV Mode) 56
- Selecting the Scan Mode 58
- Setting the Digital NR (Digital Noise Reduction) 59
- Setting the Blue Screen 60
- Changing the Sound Standard 61
- Adjusting the Sound Settings 62
- Extra Sound Settings 63
  - Auto Volume
  - Dolby Virtual
- Setting the Melody Sound 64
- Selecting the Sound Mode (depending on the model) 65
- Setting and Displaying the Current Time 66
- Setting the Sleep Timer 67
- Switching the Television On and Off Automatically 68
- Viewing an External Signal Source 69

◆ **USING THE TELETEXT FEATURE**
- Teletext Feature 70
- Displaying the Teletext Information 71
- Selecting Display Options 72
- Selecting a Teletext Page 73
- Storing Teletext Pages (depending on the model) 74

◆ **ADDITIONAL INFORMATION ON CONNECTIONS**
- Connecting to the External Input/Outputs 75
- Connecting to the Common Interface 76
- Connecting to the Audio Output 76
- Connecting to the RCA Input 77
- Connecting to the S-Video Input 78
- Connecting to the Component Input 79
- Redirecting an Input to the External Output 80

◆ **RECOMMENDATIONS FOR USE**
- Programming the Remote Control for Other Components 81
  - VCR Remote Control Codes 82
  - Cable Box (CATV) Remote Control Codes 82
  - DVD Remote Control Codes 82
- Troubleshooting: Before Contacting Service Personnel 83

Symbols

Press

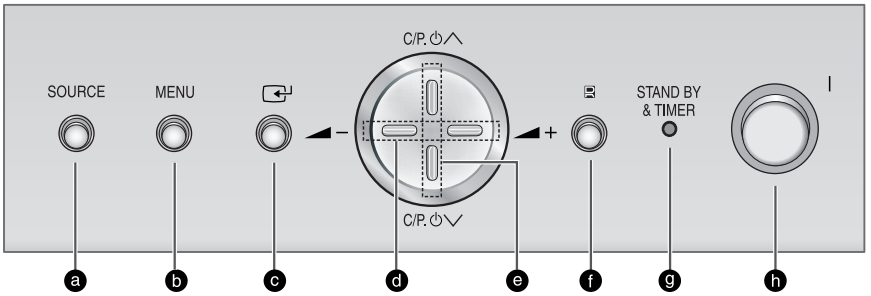
Important

Note

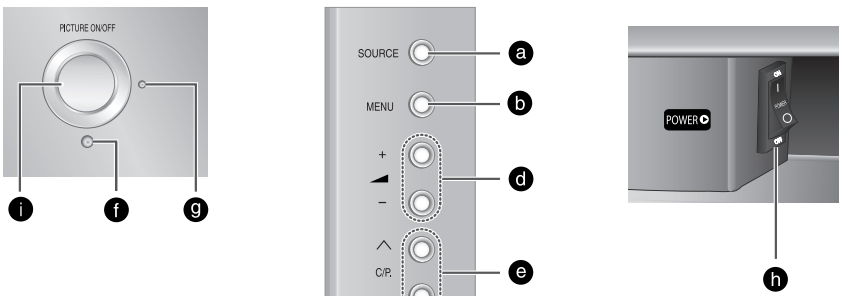
Control Panels (depending on the model)

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

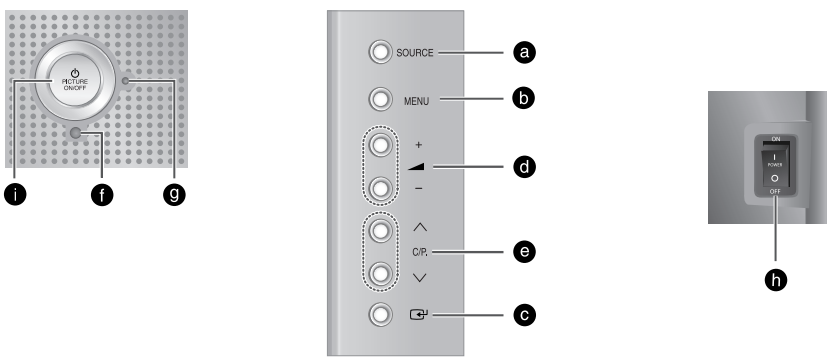
SP43W6



SP42Q2



SP43Q5



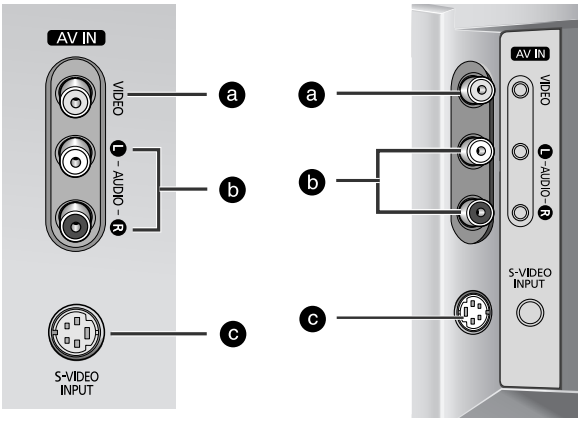
(a) Input Source Selection	**(e) Channel Selection**
(b) Menu Display	**(f) Remote Control Sensor**
(c) Accessing to the Selected Option on the Menu System	**(g) Standby & Timer Indicator**
(d) Volume Adjustment	**(h) Power On/Off**
	(i) Picture On/Off

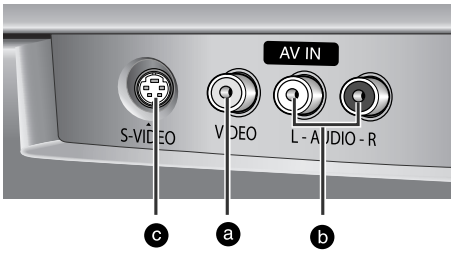
➢
- You can use the ∧ **C/P.**⏻ ∨ buttons to switch on the TV when it is in standby mode depending on the model.
- The **–** ◢ **+** and ∧ **C/P.**⏻ ∨ buttons have the same function as the ▲/▼/◀/▶ buttons on the remote control in main menu mode.
- If the remote control no longer works or your have misplaced, you can use controls on the panel of the TV.

Connection Panels (depending on the model)

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

Side of the TV



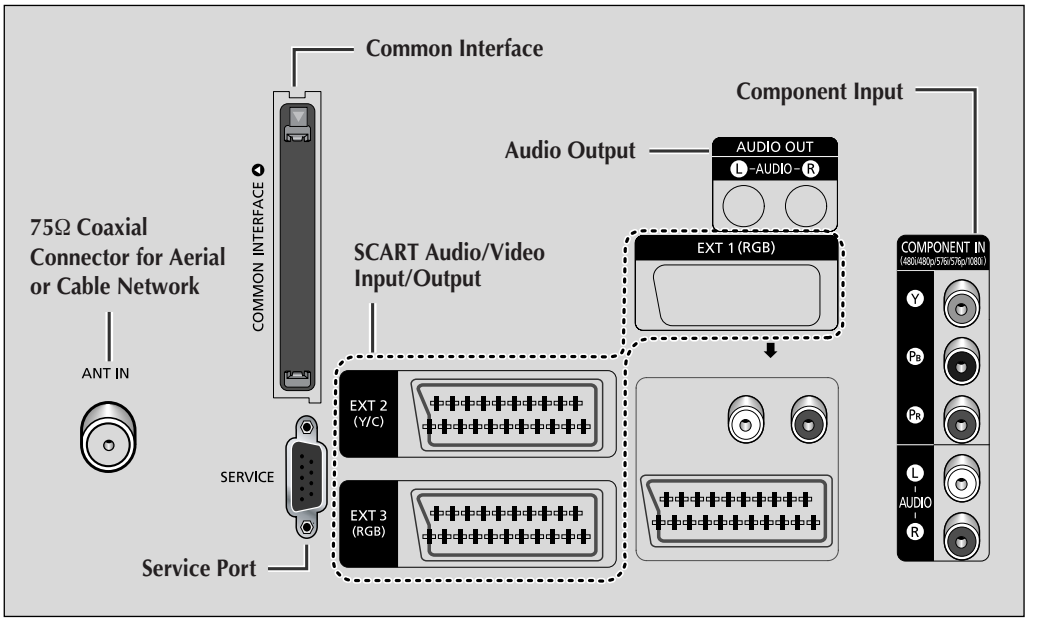


(a) **Video Input**

(b) **Audio Input**

(c) **S-Video Input**

Rear of the TV



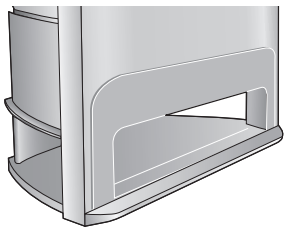
➢
- ◆ Please be sure to match the colour coded input terminals and cable jacks.
- ◆ For further details about connection, refer to pages 75~79.

☛ 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.

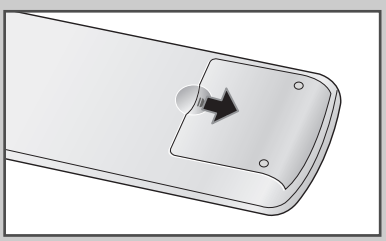
Using a Display Deck (depending on the model)

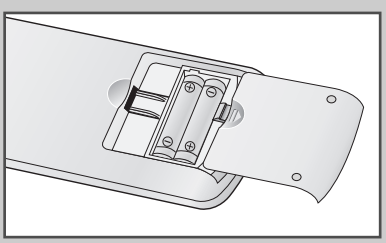
You can display a VCR or DVD Player, etc. by using the display deck.

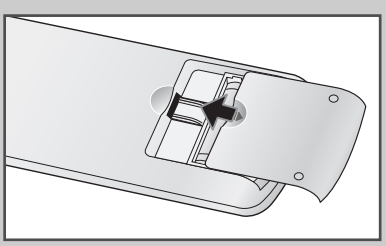
SP43W6



Inserting the Batteries in the Remote Control







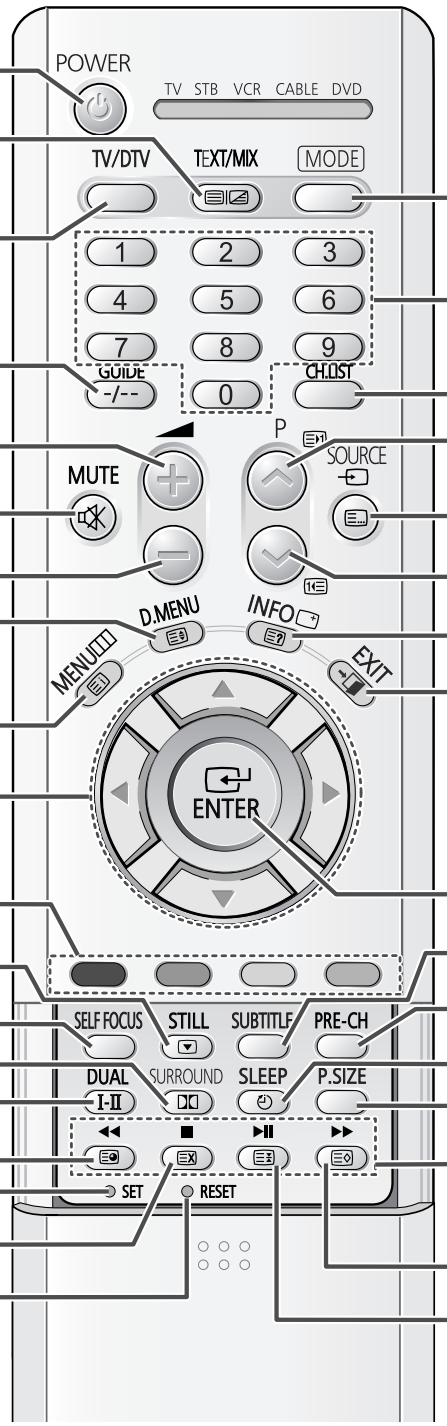
You must insert or replace the batteries in the remote control when you:

- ***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.

➢ Do not mix battery types, i.e. alkaline and manganese.

Infrared Remote Control



TELEVISION STANDBY

TELETEXT DISPLAY/ MIX BOTH TELETEXT INFORMATION AND THE NORMAL BROADCAST

SWITCH BETWEEN TV AND DTV MODE

EPG DISPLAY/ ONE OR TWO-DIGIT CHANNEL SELECTION

VOLUME INCREASE

TEMPORARY SOUND SWITCH-OFF

VOLUME DECREASE

DTV MENU DISPLAY/ TELETEXT SIZE SELECTION

MENU DISPLAY/ TELETEXT INDEX

CONTROL THE CURSOR IN THE ON-SCREEN MENU

FASTEXT TOPIC SELECTION/ EPG DISPLAY/ FAVOURITE CHANNEL EDITION

PICTURE FREEZE

SELF FOCUS

SURROUND ON/OFF DIRECTLY

SOUND MODE SELECTION

TELETEXT SUB-PAGE

REMOTE CONTROL SETUP

TELETEXT CANCEL

IF YOUR REMOTE CONTROL IS NOT FUNCTIONING PROPERLY, TAKE OUT THE BATTERIES AND PRESS THE RESET BUTTON FOR ABOUT 2~3 SECONDS. RE-INSERT THE BATTERIES AND TRY USING THE REMOTE CONTROL AGAIN.

MAKE THE REMOTE CONTROL WORKS FOR TV, STB, VCR, CABLE, DVD PLAYER

DIRECT CHANNEL SELECTION

DTV CHANNEL LIST DISPLAY

NEXT CHANNEL/ TELETEXT NEXT PAGE

EXTERNAL INPUT SELECTION/ TELETEXT MODE (LIST/FLOF) SELECTION

PREVIOUS CHANNEL/ TELETEXT PREVIOUS PAGE

INFORMATION DISPLAY/ TELETEXT REVEAL

EXIT FROM ANY DISPLAY

CONFIRM YOUR CHOICE (ANALOG TV : STORE OR ENTER) (DTV : OK, SELECT, OR ENTER)

DIGITAL SUBTITLE DISPLAY

SWITCH REPEATEDLY BETWEEN THE LAST TWO CHANNELS DISPLAYED

AUTOMATIC SWITCH-OFF

PICTURE SIZE

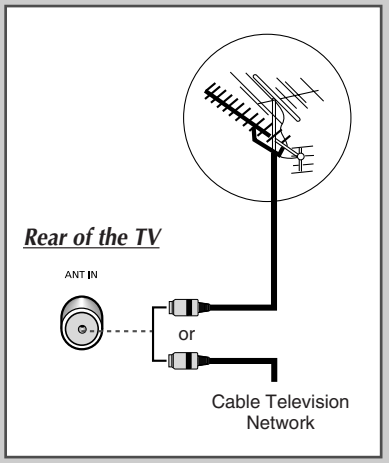
VCR/DVD FUNCTIONS;
- REWIND (◀◀)
- STOP (■)
- PLAY/PAUSE (▶II)
- FAST FORWARD (▶▶)

TELETEXT STORE

TELETEXT PAGE HOLD

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

Connecting to 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***

1 In the first three cases, connect the aerial or network input cable to the ANT IN on the rear of the television.

2 If you are using an indoor aerial, you may need to adjust 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 Automatically" on page 24
- **(Digital TV)** "Updating the Channel List Manually" on page 25
- **(Analog TV)** "Storing Channels Automatically" on page 42
- **(Analog TV)** "Storing Channels Manually" on page 44

Connecting a Satellite Receiver or Decoder

In order to watch television programmes broadcast via a satellite network, you must connect a satellite receiver to the rear of TV. Also, in order to descramble a coded transmission signal, you must connect a decoder to the rear of TV.

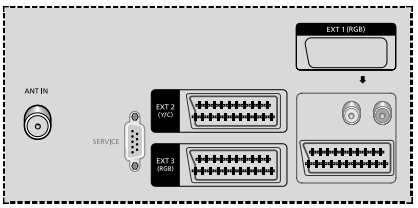
- **Using a SCART cable**
  Connect the receiver (or decoder) SCART cable to one of the SCART connectors on the rear of the television.

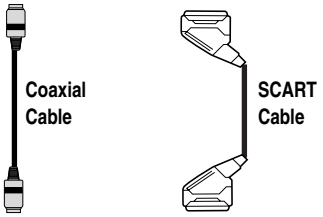
- **Using a coaxial cable**
  Connect a coaxial cable to the:
  – Receiver (or Decoder) output socket.
  – Television aerial input socket.

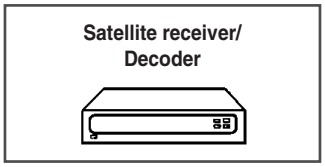
➢ If you wish to connect both a satellite receiver (or decoder) and a VCR, you should connect the:
- Receiver (or Decoder) to the VCR
- VCR to the television

Otherwise, connect the receiver (or decoder) directly to the television.

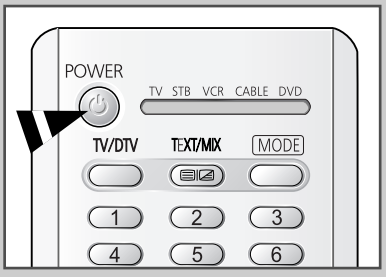
Rear of the TV







Switching Your Television On and Off



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

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 " **I** " button (On/Off) on the front or side 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.

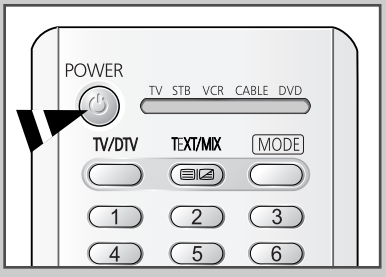
Result : The programme that you were watching last is re-selected automatically.

➢ If you have not yet stored any channels, No clear picture appears. Refer to "Storing Channels Automatically" on page 42 or "Storing Channels Manually" on page 44.

➢ You can also switch the television back on by pressing the **P** ◠/◡ (or ∧ **C/P.**⏻ ∨ on the front panel) or numeric button on the remote control.

4 To switch your television off, press the " **I** " button (On/Off) again.

Placing Your Television in Standby Mode



Your television can be placed in Standby mode, in order to reduce the power consumption.

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.

➢ You can also switch on by pressing the **TV/DTV** or **P** ◠/◡ button.

➢ You can also switch the television back on by pressing the **P** ◠/◡ (or ∧ **C/P.**⏻ ∨ on the front panel) or numeric button on the remote control.

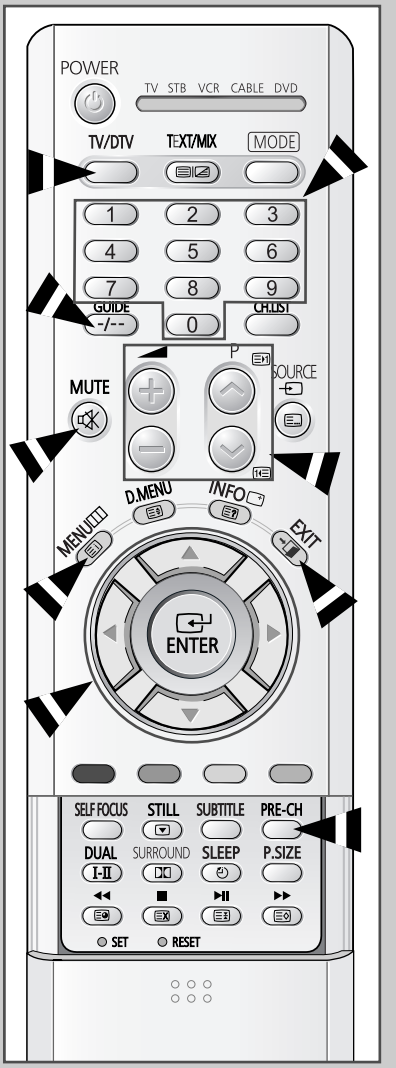
☛ Do not leave your television in Standby mode for long periods of time (when you are away on holiday, for example). Turn your television off by pressing the " **I** " button (On/Off) on the front or side of the television. It is best to unplug the set from the mains and aerial.

Becoming Familiar with the Remote Control

The remote control is used mainly to:

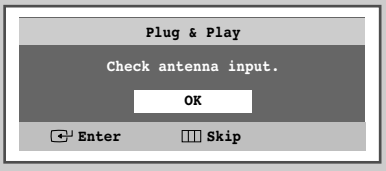
- ***Change channels and adjust the volume***
- ***Set up the television using the on-screen menu system***

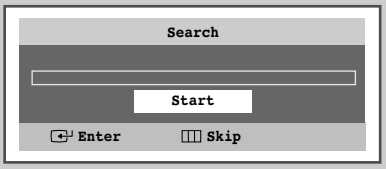
The following table presents the most frequently used buttons and their functions.

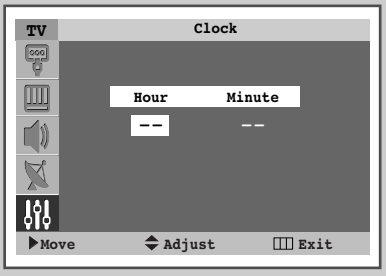


Button	Viewing Function	Menu Function
	Used to display the next stored channel.	–
	Used to display the previous stored channel.	–
0 to 9	Used to display the corresponding channels. ➢ For double digit channels, the second digit must be pushed immediately after the first. Failure to do this will result in a single digit channel being displayed.	
-/--	Used to select a channel numbered ten or over. Press this button, and the "**--**" symbol is displayed. Enter the two-digit channel number.	
PRE-CH	Press the **PRE-CH** button. The TV will switch to the last channel viewed. To quickly switch between two channels that are far apart, tune to one channel, then use the numeric buttons to select second channel. Then, use the **PRE-CH** button to quickly alternate between them.	
	Used to increase the volume.	–
	Used to decrease the volume.	–
MUTE ( )	Used to switch the sound off temporarily. ➢ To turn the sound back on, press this button again, or press the or button.	
MENU ( )	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.
	–	Used to: ◆ Display a submenu containing selections for the current menu option. ◆ Increase/decrease a menu option value.
ENTER	–	Used to confirm your choice.
TV/DTV	Used to switch between TV and DTV mode.	–
EXIT ( )	–	Used to exit from the any display.

Plug and Play Feature







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 **Start Plug & Play** is displayed.

2 To start the Plug & Play, press the **ENTER** ( ) button.

Result: The options available in the **Setup** group are displayed with **Language** is selected.

3 Select the appropriate language by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

Result: The message **Check antenna input.** is displayed.

4 Make sure that the antenna is connected to the TV. Press the **ENTER** ( ) button.

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

5 Select your country by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

Result: The **Search** menu is displayed.

6 To start the channel store, press the **ENTER** ( ) button.

Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range (with lowest first and highest last). When it has finished, the **Clock** menu is displayed.

➢ To stop the search before it has finished or return to normal viewing, press the **MENU** ( ) button.

7 Press the ◄ or ► button to move to the **Hour** or **Minute**. Set these by pressing the ▲ or ▼ button.

➢ You can also set the **Hour** and **Min** by pressing the numeric buttons directly.

8 When you have finished, press the **MENU** ( ) button.

Result: The menu is turned to **Auto Store** in DTV mode automatically.

If you want to reset this feature...

➢ Not available in DTV mode.

1 Press the **MENU** ( ) button.

Result: The main menu is displayed.

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

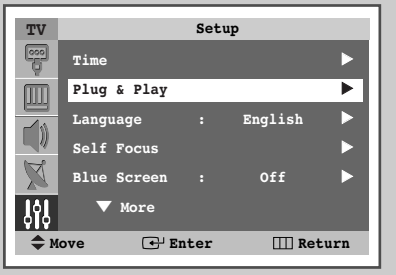
Result: The options available in the **Setup** group are displayed.

3 Press the **ENTER** ( ) button.

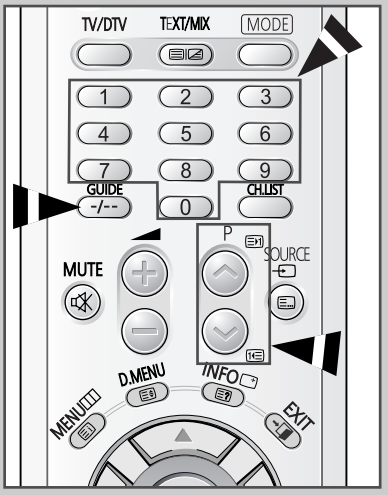
4 Press the ▲ or ▼ button to select **Plug & Play**.
Press the **ENTER** ( ) button.

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

5 For further details on how to set, refer to the opposite page.



Changing Channels



➢ It may take some time to display a channel if your chosen channel has the MHEG feature.

Using the P ◯/◯ buttons.

Press the **P** ◯/◯ button on the remote control (∧ **C/P.**⏻ ∨ on the front of TV).
The TV changes channels in sequence. You can select all channels (analog and digital channels) that the TV has memorized.

➢ You can not select channels that were either erased or not memorized.

Using the numeric (0~9) buttons.

Press the numeric buttons to quickly tune to any channel.

➢ You can select all channels that were either erased or not memorized.

To select analog channel **27**, press the -/--, **2**, then **7**.
To select digital channel **27**, press the **0**, **2**, then **7**.
The TV will change channels when you press the second number.

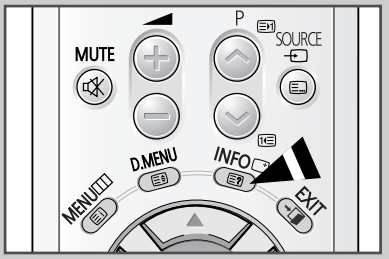
To change to single-digit channels (0~9) faster, press the **0** before the single digit. (For analog channel **4**, press the **0**, then **4**. For digital channel **4**, press the **0**, **0**, then **4**.)

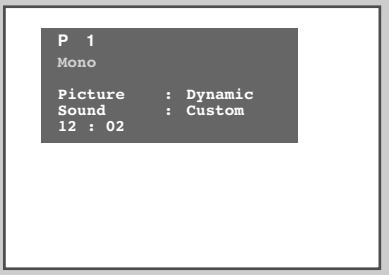
➢ **MHEG (Multimedia and Hypermedia Information Coding Experts Group)?**
An International standard for data encoding systems used in multimedia and hypermedia. This is at a higher level than the MPEG system which includes data-linking hypermedia such as still images, character service, animation, graphic and video files as well as multimedia data. MHEG is user runtime interaction technology and is being applied to various fields including VOD (Video-On-Demand), ITV (Interactive TV), EC (Electronic Commerce), tele-education, tele-conferencing, digital libraries and network games.

➢ In the case of DTV mode, **OK** or **Select** can be used as the **ENTER** (↵) button.

Displaying Information

You can view the channel information and setting status you select by pressing the "INFO ( )" button on the remote control.





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**.

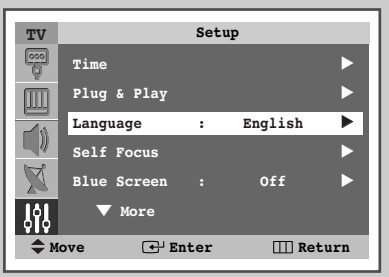
Result: The options available in the **Setup** group are displayed.

3 Press the **ENTER** ( ) button.

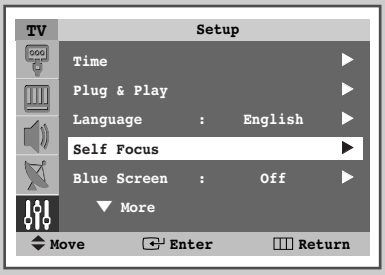
4 Press the ▲ or ▼ button to select **Language**. Press the **ENTER** ( ) button.

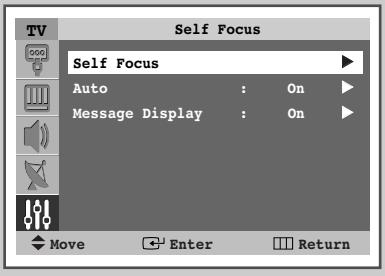
Result: The languages available are listed.

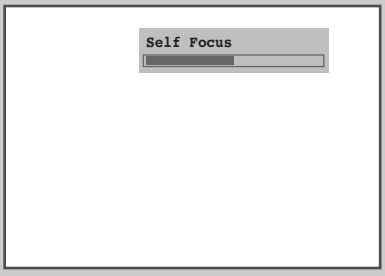
5 Select the appropriate language by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

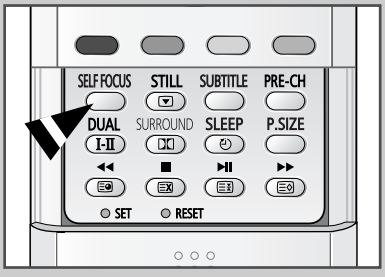


Adjusting the Screen Automatically (Self Focus)









The "Self Focus" feature automatically finds the optimum picture quality when blurring, overlapping colours or incorrect focus occurs. These conditions may be caused by moving your TV.

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 **Self Focus**. Press the **ENTER** ( ) button.

Result: The **Self Focus** is selected.

5 Press the **ENTER** ( ) button again

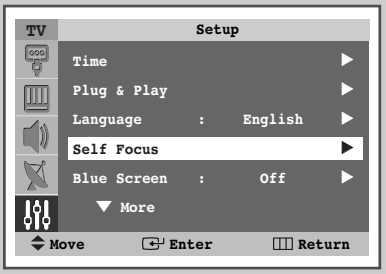
Result: The self focus process begins with the message **Self Focus** and horizontal bar is displayed. During the process, minor distortions of the picture may occur. At this time, the colors may diffuse and a searching action will appear on the edges of the screen. This is a normal part of the adjustment. When it is finished, all of things will disappear and the optimum picture quality can be enjoyed.

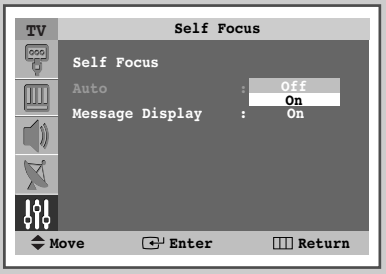
➢ It can be displayed simply by pressing the **SELF FOCUS** button.

➢
- Changing channels and any other signal changes will pause the self focus until a stable signal has returned. It resumes after the signal has been stabilised. This feature will not work without a signal.
- Ambient light that is too bright may affect the self focus. If this occurs, darken the environment and try again.

Deactivating the Automatic Execution of the Self Focus

The "Self Focus" feature starts on default. It will automatically begin 10 minutes after switching on the power and the appearance of the screen image. To set the optimum picture quality, the "Self Focus" will automatically begin again after another 30 minutes, as the screen image is then fully stabilised.





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

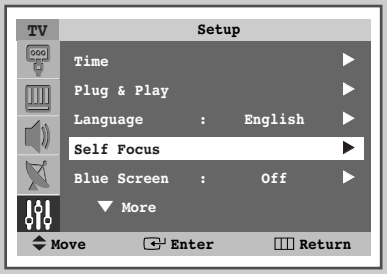
4 Press the ▲ or ▼ button to select **Self Focus**. Press the **ENTER** ( ) button.

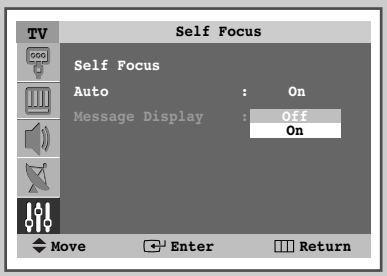
Result: The options available in the **Self Focus** group are displayed.

5 Press the ▲ or ▼ button to select **Auto**. Press the **ENTER** ( ) button.

6 To turn off the automatic execution of the self focus feature, select **Off** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

Removing the “Self Focus” from the Display





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 **Self Focus**. Press the **ENTER** ( ) button.

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

5 Press the ▲ or ▼ button to select **Message Display**. Press the **ENTER** ( ) button.

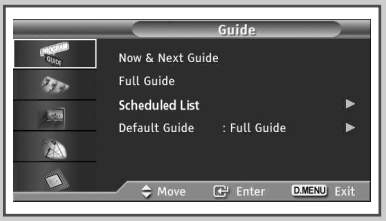
6 To remove the message **Self Focus** and horizontal bar on the screen during the self focus process, select **Off** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

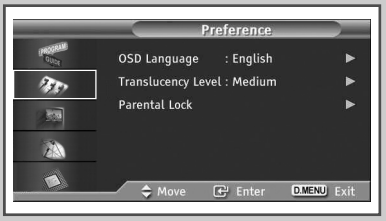
Previewing the DTV Menu System

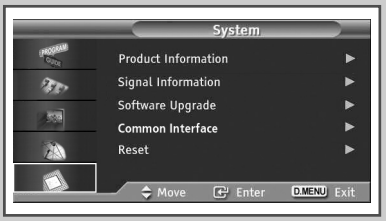
➢ Available in DTV mode.
Preset to the DTV mode by using the **TV/DTV** button.

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

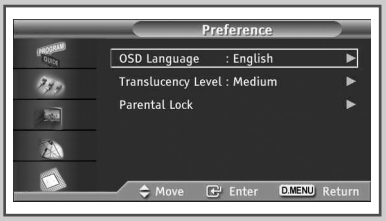
- **Press the "D.MENU" button.**
  - **Guide**
    - **Now & Next Guide**
    - **Full Guide**
    - **Scheduled List**
    - **Default Guide**
      - **Now/Next**
      - **Full Guide**
  - **Preference**
    - **OSD Language**
      - **English**
      - **Deutsch**
      - **Español**
      - **Italiano**
      - **Svenska**
    - **Translucency Level**
      - **High**
      - **Medium**
      - **Low**
      - **Opaque**
    - **Parental Lock**
      - **Parental Rating**
      - **Change PIN**
  - **Feature**
    - **Subtitle**
      - **Off**
      - **On**
    - **Subtitle Language** → **English**
    - **Audio Language** → **English**
    - **Digital Text**
      - **Disable**
      - **Enable**
  - **Channel**
    - **Auto Store**
    - **Manual Store**
      - **Channel**
      - **Frequency**
      - **Bandwidth**
    - **Favourite Channels**
    - **Channel List**
  - **System**
    - **Product Information**
    - **Signal Information**
    - **Software Upgrade**
    - **Common Interface**
      - **Application Info.**
      - **CI Menu**
        - **Module information**
        - **Smart card information**
        - **Language**
        - **Software Download**
    - **Reset**







Choosing Your Language

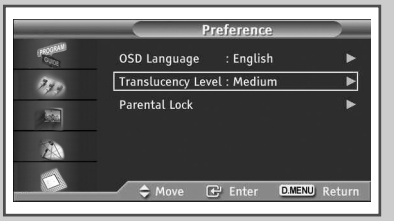


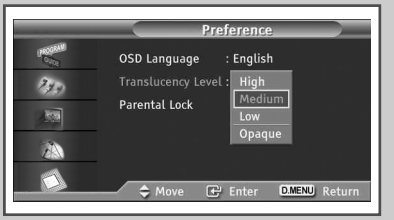
When you start using your television for the first time, you must select the language which will be used for displaying menus and indications

1	Press the **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. Result: The **OSD Language** is selected.
4	Press the **ENTER** (↵) button again. Result: The available languages are listed.
5	Select the appropriate language by pressing the ▲ or ▼ button.
6	Press the **ENTER** (↵) button.

Adjusting the Translucency Level

You can set the translucency of the on-screen menu.





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	Press the ▲ or ▼ button to select **Translucency Level**. Press the **ENTER** (↵) button.
5	Select the required option (**High**, **Medium**, **Low**, or **Opaque**) by pressing the ▲ or ▼ button.
6	Press the **ENTER** (↵) button.

Updating the Channel List Automatically

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 **Auto Store** 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 be deleted when the channel list is updated.
- To stop the scan before it has finished, press the **ENTER** (↵) or **D.MENU** button.

➢ If the signal status is poor, the **No service found! Check the aerial connection** message is displayed.

Updating the Channel List Manually

You can specify the channel or frequency for a fast channel search.

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

Result: The DTV menu is displayed.

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

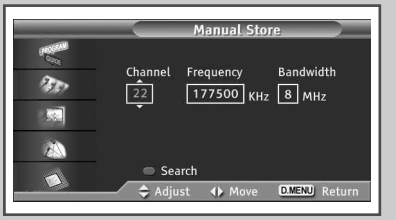
Result: The options available in the **Channel** group are displayed.

3 Press the **ENTER** (↵) button.

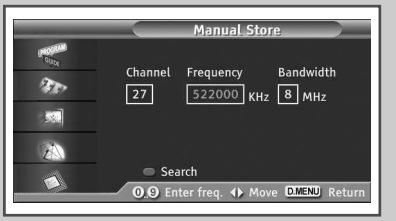
4 Press the ▲ or ▼ button to select **Manual Store**.

5 Press the **ENTER** (↵) button.

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



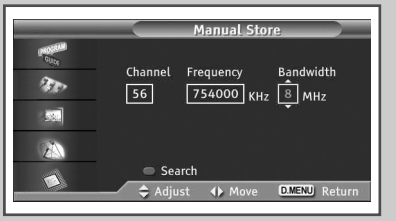
6 Press the ◄ or ► button to select **Channel**, **Frequency**, or **Bandwidth**.



◆ **Channel**

Press the ▲, ▼ or numeric buttons (0~9) to select a channel. The available channels are 21~68.

Result: The corresponding frequency for the selected channel is automatically set.



◆ **Frequency**

You can specify the frequency (KHz) using the numeric buttons (0~9). If you do not know the exact frequency, follow the above step to select the frequency automatically using channel.

◆ **Bandwidth**

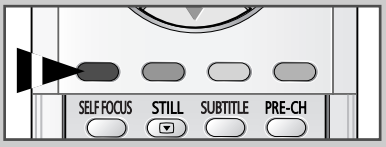
Press the ▲ or ▼ button to select a bandwidth. The available bandwidths are 7 and 8 MHz.

➢ In England, 8MHz bandwidth is provided by default.

7 Press the red button to start the scan for digital services.

Result: When it has finished, channels are updated in the channel list.

Editing Your Favourite Channels



➢ In the case of DTV mode, **OK** or **Select** can be used as the **ENTER** (↵) button.

You can edit your favourite channels using the colour buttons. Before setting your favourite channels, run Auto Store first.

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.

4 Press the ▲ or ▼ button to select **Favourite Channels**.

5 Press the **ENTER** (↵) button.
Result: The **Favourite Channels** menu is displayed.

6 Press the red button to display all currently stored channels.

7 Press the ▲ or ▼ button to select a channel you want.
Press the **ENTER** (↵) button.
Result: A "★" icon is shown next to the selected channel and the channel will be added to the favourites list.

➢
- To undo, press the **ENTER** (↵) button again.
- **Select All** : Select all channels currently displayed.
- **Select None** : Deselect all selected channels.
- **Preview** : Displays (a) currently selected channel(s).

➢ The Favourite Channels settings have been completed.

◆ ***Add***

You can use this function when one or more favourite channels have been selected.

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.

4 Press the ▲ or ▼ button to select **Favourite Channels**.

5 Press the **ENTER** (↵) button.

6 Press the red button in the **Favourite Channels** menu.
To add more channels, refer to the step **7** above.

➢
- To add all channels to the favourites channel list, press the red button.
- To remove all channels, press the green button.
- Press the **CH.LIST** button to display the favourite channel list.

Editing Your Favourite Channels (continued)

◆ *Move*

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.

4 Press the ▲ or ▼ button to select **Favourite Channels**.

5 Press the **ENTER** (↵) button.

6 Press the ▲ or ▼ button to select the required channel.

7 Press the green button.
Result : A "⇕" icon is displayed on the left side of the channel name.

8 Press the ▲ or ▼ button to select the channel that you want to move, then press the green or **ENTER** (↵) button.
Result : The channel is moved to its new position.

◆ *Preview*

1 In the **Favourite Channels** menu, select the channel to be previewed by pressing the ▲ or ▼ button.

2 Press the yellow button.
Result : Displays currently selected channel.

◆ *Delete*

1 In the **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 into the favourite channel list, see "Add" on page 26.

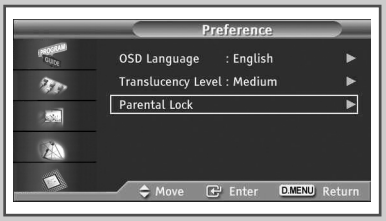
☛ ◆ **To configure the settings so that pressing the P ⌃ or ⌄ button after setting up your favourite channels selects a channel from among your favourite channels:**

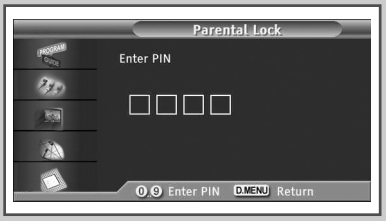
1 Press the **CH.LIST** button. The channel list is displayed.
2 Press the yellow button. When the favourite channel list is displayed, press the blue button to finish the setting.

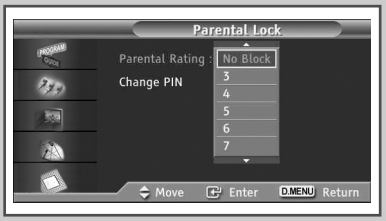
◆ **To configure the settings so that pressing the P ⌃ or ⌄ button after setting up your favourite channels selects a channel from among all channels:**

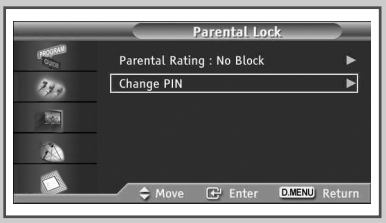
1 Press the **CH.LIST** button. All stored favourite channels are listed.
2 Press the yellow button. When the favourite channel list is displayed, press the blue button to finish the setting.

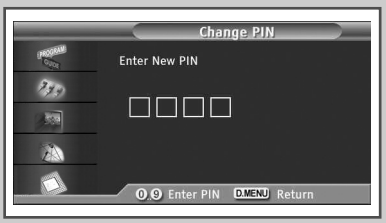
Setting up the Parental Lock

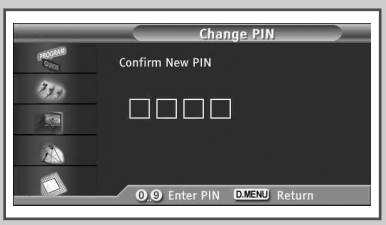












This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by a 4-digit PIN (Personal Identification Number) code that is defined by the user. The on-screen menu will instruct you to assign a PIN code (you can change it later, if necessary).

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 Press the ▲ or ▼ button to select **Parental Lock**.
Press the **ENTER** (↵) button.
Result: The **Enter PIN** is displayed.

5 Enter your current 4-digit PIN code by using the numeric buttons (0~9).
Result: The options available in the **Parental Lock** group are displayed with the **Parental Rating** selected.

➢
- The default PIN code for a new TV set is **0000**.
- If you enter a invalid PIN code, the **Invalid PIN code. Please try again.** message is displayed.

6 Press the **ENTER** (↵) button.

7 Press the ▲ or ▼ button to select the age rating you want to lock out. Press the **ENTER** (↵) button.

8 If you want to change the PIN code, select **Change PIN** by pressing the ▲ or ▼ button. Press the **ENTER** (↵) button.
Result: The **Enter New PIN** is displayed.

9 Enter your new PIN code by using the numeric buttons (0~9).
Result: The **Confirm New PIN** is displayed.

10 Re-enter your new PIN code to confirm by using the numeric buttons (0~9).
Result: The **Your PIN code has been changed successfully** message is displayed.

➢ If you forget the PIN code, press the remote control buttons in the following sequence, which resets the PIN to **0**-**0**-**0**-**0** : **POWER** (Off), **MUTE**, **8**, **2**, **4**, **POWER** (On)

Viewing EPG (Electronic Programme Guide) Information

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 six 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.

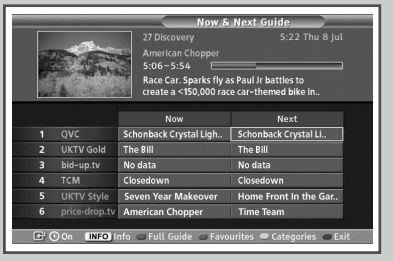
2 Press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Now & Next Guide** or **Full Guide**. Press the **ENTER** (↵) button.
Result: The selected guide menu is displayed.

➢ You can also display the guide menu simply by pressing the **GUIDE** button.

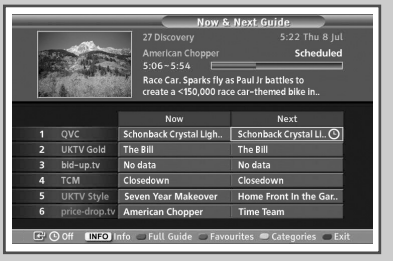
4

To	Then
Watch a programme in the EPG list	◆ Select a programme by pressing the ▲/▼/◀/▶ button. ◆ Press the **ENTER** (↵) button.

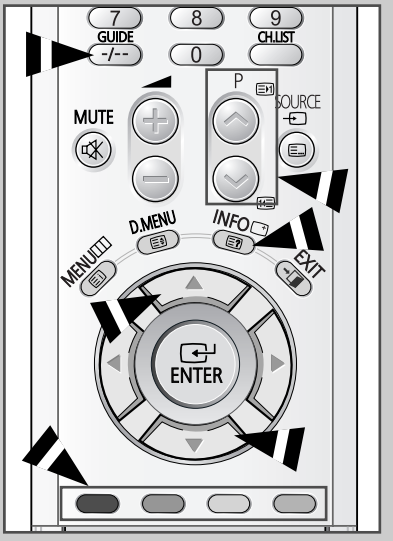


➢ If the next programme is selected, it is scheduled with the clock icon displayed. If the **ENTER** (↵) button is pressed again, the scheduling is canceled with the clock icon gone. For details about scheduling programmes, refer to the next page.

View programme information	◆ Select a programme of your choice by pressing the ▲/▼/◀/▶ button. ◆ Press the **INFO** (?) button when the programme of your choice is highlighted.

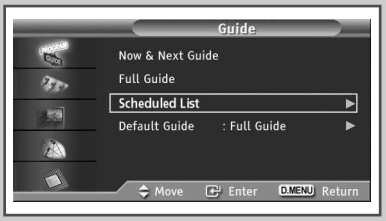


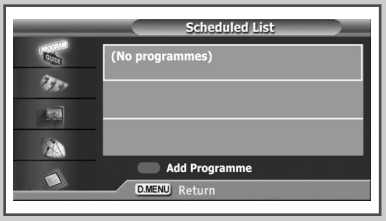
Toggle between the **Now & Next Guide** or **Full Guide**	◆ Press the red button repeatedly.
Display the **Favourites** and the **All Channels** list	◆ Press the green button repeatedly.
View Categories	◆ Press the yellow button.
Exit the guide	◆ Press the blue button.

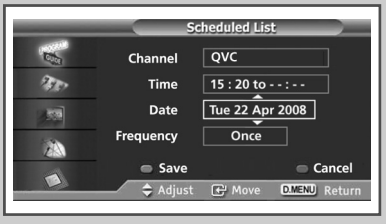


➢
- ◆ Information such as the channel number, programme title and running time, status bar, and brief summary of the highlighted programme will be displayed in the top right corner of the screen. If there is a lengthy summary, "…" will be displayed. Press the **INFO** (?) button for the full summary text.
- ◆ Six 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.

Using the Scheduled List







If you make a scheduled viewing list of programs you may like to see, the channel will be automatically switched to the scheduled program at the scheduled time even if you are watching another program.

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

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

2 Press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Scheduled List**.
Press the **ENTER** (↵) button.

Result: The selected guide menu is displayed.

4 Press the red button to add a new programme.

Result: The menu for adding a programme is displayed with **Channel** selected.

5 Press the ▲ or ▼ button to select the required channel.
Press the **ENTER** (↵) button.

Result: The **Time** is selected.

6 Enter the start and stop time of the programme by pressing the ▲, ▼ or numeric button.
Press the ◄ or ► button to move to the previous or next cell.
When you have finished, press the **ENTER** (↵) button.

Result: The **Date** is selected.

7 Press the ▲ or ▼ button to select the required date.
Press the **ENTER** (↵) button.

Result: The **Frequency** is selected.

Using the Scheduled List (continued)

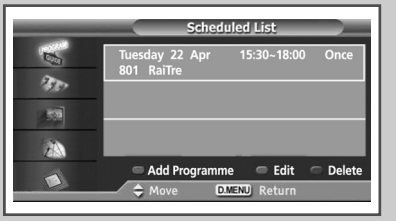
8 Press the ▲ or ▼ button to select the required frequency (**Once**, **Daily**, or **Weekly**). Press the **ENTER** (↵) button.

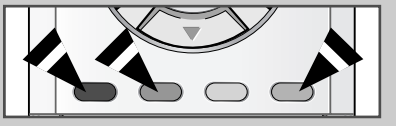
9 When you are satisfied with your settings, save the adjusted schedule by pressing the red button.

Result: The scheduled list is displayed again.

10 If you want to edit the scheduled programme, select a programme by pressing the ▲ or ▼ button. Press the green button.
If necessary, select the programme to be deleted by pressing the ▲ or ▼ button. Press the blue button.

11 Repeat step **4** to **9** for other programme to be added to the scheduled list.



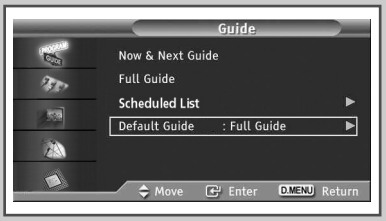


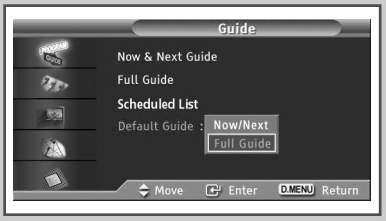
➢ When watching analog TV, the reserved DTV channel cannot be changed. The channel is only changed automatically to the reserved channel when you are watching DTV.

➢ The more simple and easy way for scheduling programmes, refer to the step 4 on page 29.

➢ Scheduling programme only functions with the television already turned on, and not from standby mode.
For details about switching the television on and off automatically, refer to page 68.

Setting the Default Guide





You can preset the default guide style.

1	Press the **D.MENU** button. Result: The options available in the **Guide** group are displayed.
2	Press the **ENTER** (↵) button.
3	Press the ▲ or ▼ button to select **Default Guide**. Press the **ENTER** (↵) button. Result: The selected guide menu is displayed.
4	Select **Now/Next** or **Full Guide** by pressing the ▲ or ▼ button.
5	Press the **ENTER** (↵) button.

Viewing All Channels and Favourite Channels

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

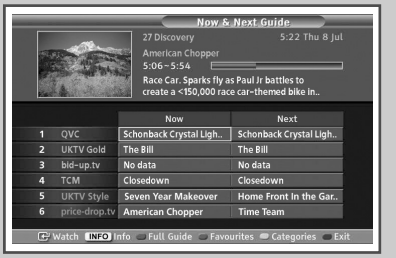
1 Press the **D.MENU** button.

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

2 Press the **ENTER** (↵) button.

3 Press the ▲ or ▼ button to select **Now & Next Guide** or **Full Guide**. Press the **ENTER** (↵) button.

Result: The selected guide menu is displayed.



4 Press the green button repeatedly to toggle between the all and favourite channels list.

5 Select a programme of your choice by pressing the ▲, ▼, ◄, or ► button.

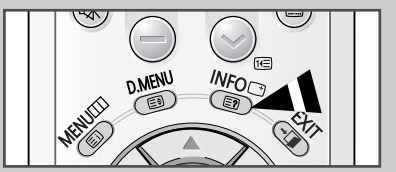
6 Press the **INFO** (⊡) button to display information about the highlighted programme.

Result: The available programme information is displayed.

7 **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**.

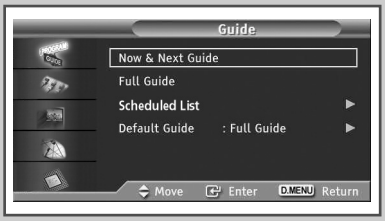
  Result: The **Favourite Channels** menu is displayed. If you select **No**, all channels will remain unchanged.
- To edit the favourite channels, refer to page 26~27 for more details.



➢

- **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 **Favourite Channels** menu (refer to page 26~27).
- When there is no channel information, the "**No data**" message will be displayed and you will not be able to change the channel even if you press the **ENTER** button.
  When the "**No data**" message appears and you cannot change the channel, press the channel number directly using the numeric buttons.

Selecting Category Colours



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 Press the ▲ or ▼ button to select **Now & Next Guide** or **Full Guide**. Press the **ENTER** (↵) button.

Result: The selected guide menu is displayed.

4 Press the yellow button.

Result: A pop up screen that enables you to select category colours is displayed.

5 Select a category by pressing the ▲ or ▼ button.

6 Press the **ENTER** (↵) button.

Result: The selectable colours are displayed on the right side of the screen.

7 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.

8 Press the **ENTER** (↵) button.

Viewing Channel Lists

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

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.

4 Press the ▲ or ▼ button to select **Channel List**.
Press the **ENTER** ( ) button.
Result : The channel list is displayed.
➢ It can be displayed simply by pressing the **CH.LIST** button.

5 Press the yellow button to toggle between your favourite channels or all channels.
Result : Your favourite channels are only displayed if they were previously set in the **Favourite Channels** menu (refer to page 26~27).

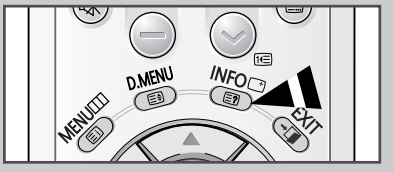
6 Press the red or green button to display the previous or next channel list page.

7 Press the ▲ or ▼ button to select a channel to be tuned.
Press the **ENTER** ( ) button.
Result : 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.

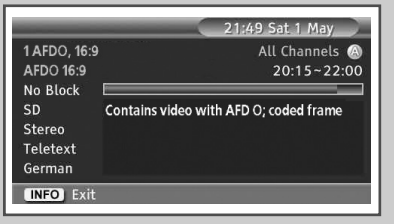
8 Press the blue or **CH.LIST** button to exit from the channel list.

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.
➢ The information displayed on the bottom left side shows:
- Parental Rating
- Video Type: SD, HD, Radio
- Audio Type: Stereo, Mono
- Existence of Teletext or DVB Subtitle
- Audio Language



2 To exit from banner information, press the **INFO** ( ) button.

Using Your Preferred Features

You can use various settings to suit your personal preferences.

- ***Activating/deactivating the Subtitle***
- ***Changing the default value for subtitle and audio languages***
- ***Activating/deactivating the Digital Text***

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.

- **Subtitle**
- **Subtitle Language**
- **Audio Language**
- **Digital Text**

4 Select your required menu by pressing the ▲ or ▼ button.

5 Press the **ENTER** (↵) button.

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

6 Select the required option by pressing the ▲ or ▼ button, and press the **ENTER** (↵) button to change the setting.

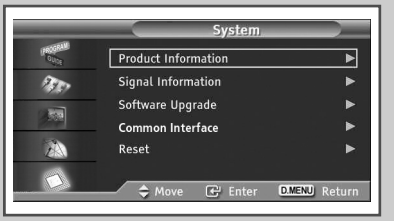
- **Subtitle** : **On** or **Off**
- **Subtitle Language** : **English**
- **Audio Language** : **English**
- **Digital Text** : **Disable** or **Enable**

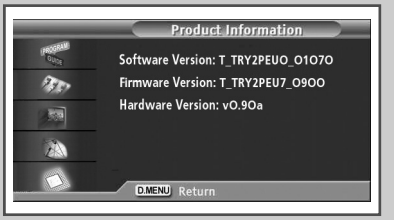
➢ If the programme is broadcast with digital text, this feature is enabled.

➢ The language of the **Subtitle Language** and the **Audio Language** are selected according to the program on the current channel.

Viewing Product Information

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





1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

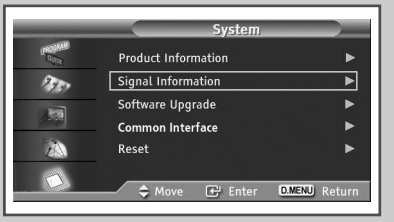
2 Press the ▲ or ▼ button to select **System**.
Result: The options available in the **System** group are displayed.

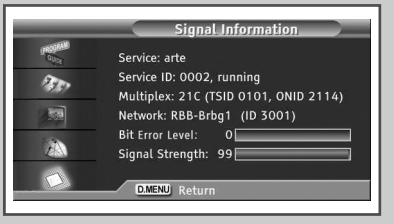
3 Press the **ENTER** (↵) button.
Result: The **Product Information** is selected.

4 Press the **ENTER** (↵) button again.
Result: The product information is displayed.
- **Software Version**
- **Firmware Version**
- **Hardware Version**

Checking the Signal Information

You can get information about the signal status.





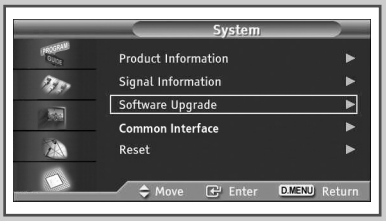
1 Press the **D.MENU** button.
Result: The DTV menu is displayed.

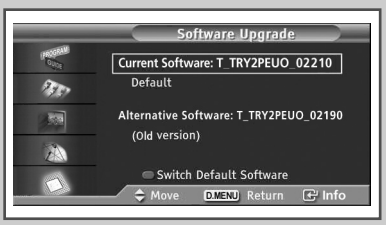
2 Press the ▲ or ▼ button to select **System**.
Result: The options available in the **System** group are displayed.

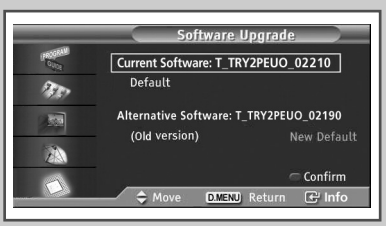
3 Press the **ENTER** (↵) button.

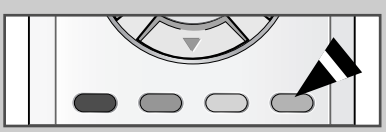
4 Press the ▲ or ▼ button to select **Signal Information**.
Press the **ENTER** (↵) button.
Result: The technical information for signal status is displayed.
- **Service** : The current channel name.
- **Service ID** : The current channel number.
- **Multiplex** : The MUX name to which the current channel belongs.
- **Network** : The broadcast type name within the same area.
- **Bit Error Level** : A level of BER (Bit Error Rate) from **0** to **10**. The lowest BER is level **0**, while the highest BER is level **10**.
- **Signal Strength** : Signal strength.

Upgrading the Software (Option)









To keep your product up-to-date with new Digital Television features, 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 dialog 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`**. Press the **ENTER** (↵) button. Result: The information for **`Software Upgrade`** menu is displayed.
5	If necessary, press the **ENTER** (↵) button again to display the software version information.
6	Press the **D.MENU** button to return to the **`Software Upgrade`** menu.
7	To switch to an alternative version, press the red button. Press the blue button to reset, activate the upgrade and restart.

Viewing Common Interface

This contains information on CAM inserted in the CI slot and displays it.

➢ Refer to "Connecting to the Common Interface" on page 76.

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

Result: The DTV menu is displayed.

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

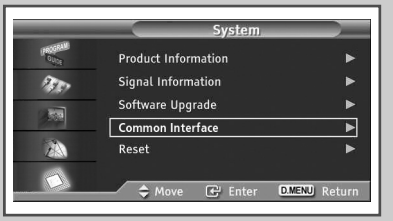
Result: The options available in the **System** group are displayed.

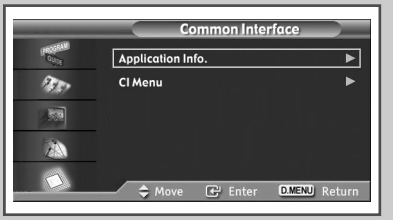
3 Press the **ENTER** (↵) button.

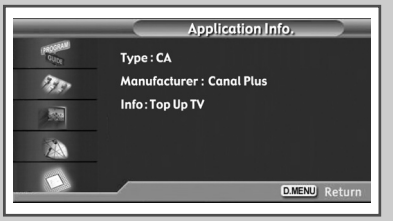
4 Press the ▲ or ▼ button to select **Common Interface**.
Press the **ENTER** (↵) button.

Result: The **Application Info.** is selected.

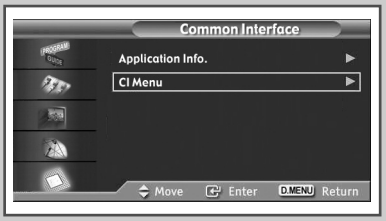
5 Press the **ENTER** (↵) button to display the information for your application .

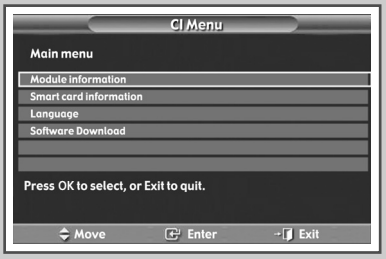






Selecting the CI Menu





This helps the user select an item from the CAM-supported menu.

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 **Common Interface**. Press the **ENTER** (↵) button.

Result: The technical information for signal status is displayed.

5 Press the ▲ or ▼ button to select **CI Menu**. Press the **ENTER** (↵) button.

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

6 Select the required option by pressing the ▲ or ▼ button. Press the **ENTER** (↵) button.

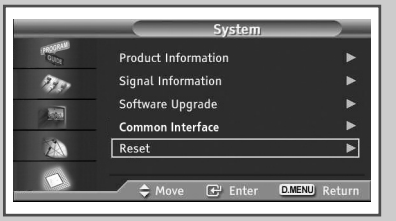
➢ Select the CI Menu based on the menu PC Card.

➢ In the case of DTV mode, **OK** or **Select** can be used as the **ENTER** (↵) button.

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.

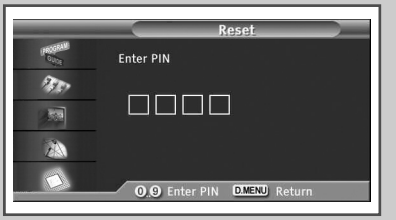


1 Press the **D.MENU** button.

Result: The DTV menu is displayed.

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

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



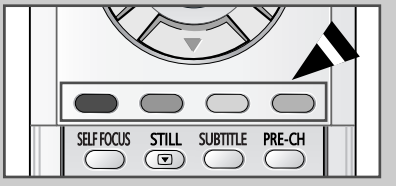
3 Press the **ENTER** (↵) button.

4 Press the ▲ or ▼ button to select **Reset**. Press the **ENTER** (↵) button.

Result: The **Enter PIN** is displayed.

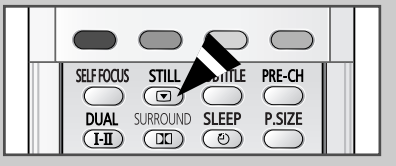
5 Enter your current 4-digit PIN code by using the numeric buttons (0~9).

Result: The warning message is displayed. All values will be reset by pressing the coloured buttons (red, green, yellow, and blue) in turn.



Freezing the Current Picture

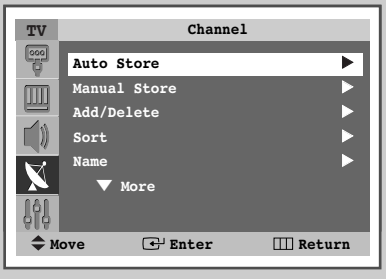
You can freeze the picture when watching a television programme simply by pressing the "STILL" (▼) button. To return to normal viewing, press it again.



Storing Channels Automatically

➢ Not available in DTV or external input 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.

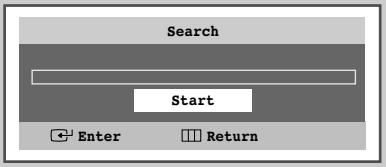
4 Press the **ENTER** (↵) button again.
Result: The options available in the **Auto Store** group are displayed with **Country** selected.

5 Press the **ENTER** (↵) button once again. Select your country by pressing the ▲ or ▼ button.
The countries are displayed in the following order:
Belgium - Germany - Spain - France - Italy - Netherlands - Switzerland - Sweden - United Kingdom - Eastern Europe - Others.

➢ If you have selected the **Others** option but do not wish to scan the PAL frequency range, store the channels manually (see page 44).

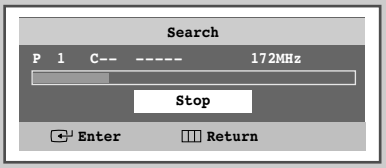
6 Press the **ENTER** (↵) button.

7 Press the ▲ or ▼ button to select **Search**.
Press the ◄ or ► button.

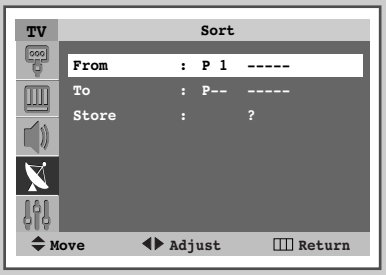


8 Press the **ENTER** (↵) button to start the search.
Result: The horizontal bar is displayed, and then channels are stored in an order which reflects their positions in the frequency range. Finally, the search will end automatically.

➢ To stop the search before it has finished, press the **MENU** (☐) button.



9 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 43.
- To exit from the channel store function without sorting the channels, press the **MENU** (☐) button repeatedly until the menus disappear.



10 When the channels have been stored, you can:
- Sort them in the order required (see page 43)
- Assign a name to the stored channels (refer to page 47)
- Clear a channel (see page 46)
- Fine-tune channel reception if necessary (see page 49)
- Activate/deactivate the **LNA** (Low Noise Amplifier) feature (see page 50)
- Activate/deactivate the **Digital NR** (Digital Noise Reduction) feature (see page 59)

Sorting the Stored Channels

➢ Not available in DTV or external input mode.

This operation allows you to change the programme numbers of stored channels. This operation may be necessary after using auto store.

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.

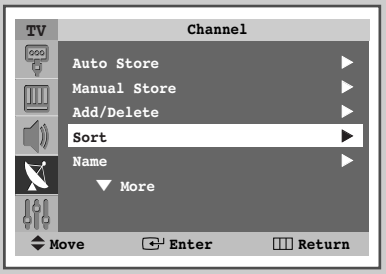
4 Press the ▲ or ▼ button to select **Sort**. Press the **ENTER** ( ) button.
Result: The options available in the **Sort** group are displayed with **From** selected.

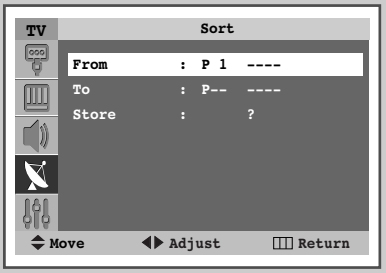
5 Select the channel number that you wish to change by pressing the ◄ or ► button repeatedly.

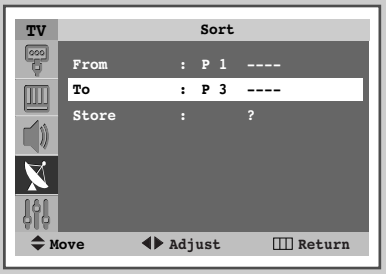
6 Press the ▲ or ▼ button to select **To**. Select the new channel number which you wish to identify by pressing the ◄ or ► button repeatedly.

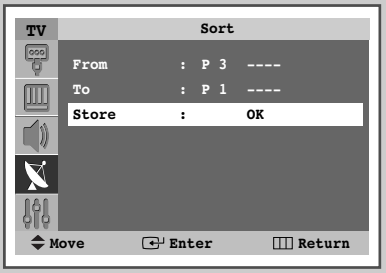
7 Press the ▲ or ▼ button to select **Store**. Select **OK** to confirm the exchange of channel numbers by pressing the **ENTER** ( ) button.
Result: The selected channel is exchanged with the one previously stored to the chosen number.

8 For all the channels to move to the required channel numbers, repeat steps **5** to **7** after selecting the **From** by pressing the ▲ or ▼ button.









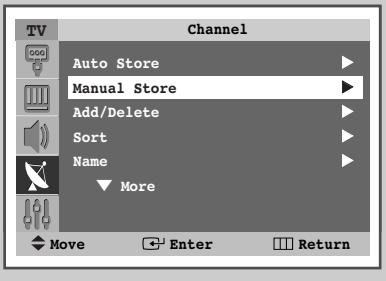
Storing Channels Manually

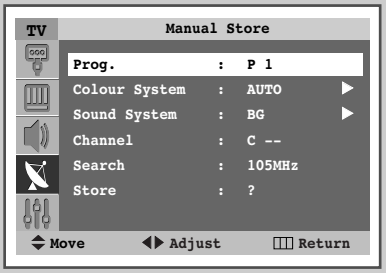
➢ Not available in DTV or external input mode.

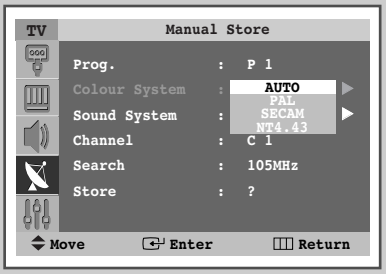
You can store the channels, including those received via cable networks.

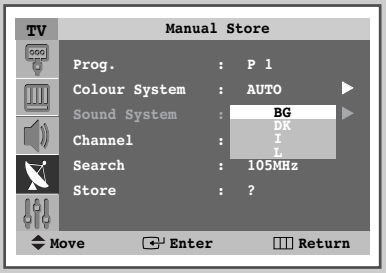
When storing channels manually, you can choose:

- ***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**.
Press the **ENTER** (↵) button.

Result: The options available in the **Manual Store** group are displayed with **Prog.** selected.

5 To assign a programme number to a channel, find the correct number by pressing the ◄ or ► button.

6 Press the ▲ or ▼ button to select **Colour System**.
Press the **ENTER** (↵) button. Indicate the broadcasting standard required by pressing the ▲ or ▼ button.

Result: The colour standards are displayed in the following order:

AUTO - PAL - SECAM - NT4.43

7 Press the **ENTER** (↵) button.

8 Press the ▲ or ▼ button to select **Sound System**.
Press the **ENTER** (↵) button. Select the sound standard required by pressing the ▲ or ▼ button.

Result: The sound standards are displayed in the following order:
BG - DK - I - L

9 Press the **ENTER** (↵) button.

10 If you know the number of the channel to be stored, see the following steps.

- Press the ▲ or ▼ button to select **Channel**.
- Press the **ENTER** (↵) button.
- Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).
- Press the ► button.
- Press the ▲ or ▼ button to select the required number.

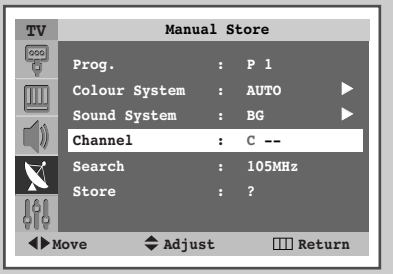
➢ If no sound or abnormal sound can be heard, re-select the sound standard required.

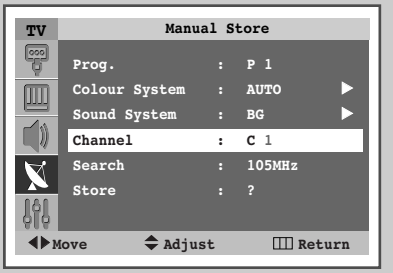
11 If you do not know the channel numbers, select **Search** by pressing the ▲ or ▼ button. Press the ◄ or ► button to start the search.

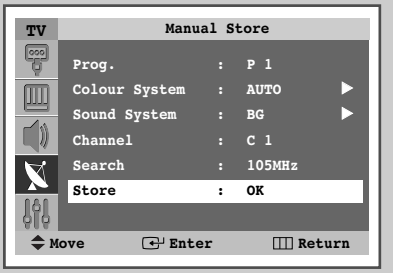
Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

12 To store the channel and associated programme number, select **Store** by pressing the ▲ or ▼ button. Press the **ENTER** (↵) button to select **OK**.

13 Repeat Steps **10** to **12** for each channel to be stored.







☛ ***Channel mode***

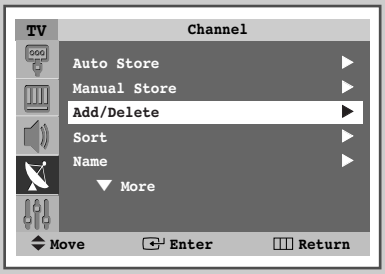
- **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to max P99. You can select a channel by entering the position number in this mode.
- **C** (Real channel mode): You can select a channel by entering the assigned number 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.

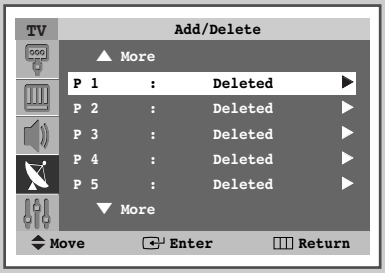
Skipping Unwanted Channels

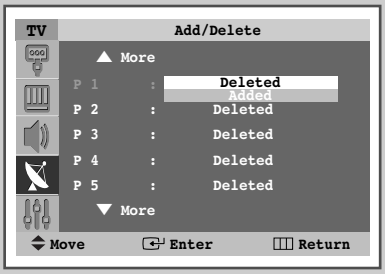
➢ Not available in DTV or external input mode.

You can exclude the channels you have 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 **Channel**.

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

3 Press the **ENTER** ( ) button.

4 Press the ▲ or ▼ button to select **Add/Delete**. Press the **ENTER** ( ) button.

Result: The **Add/Delete** menu is displayed with the current channel selected.

5 Press the ▲ or ▼ button to delete or add the required channel. Press the **ENTER** ( ) button.

6 Select **Deleted** or **Added** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

7 Repeat steps **5** to **6** for each channel to be erased or added.

Assigning Names to Channels

➢ Not available in DTV or external input mode.

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 **Channel**.

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

3 Press the **ENTER** ( ) button.

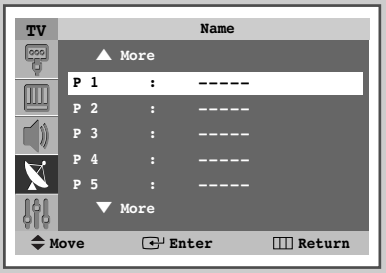
4 Press the ▲ or ▼ button to select **Name**. Press the **ENTER** ( ) button.

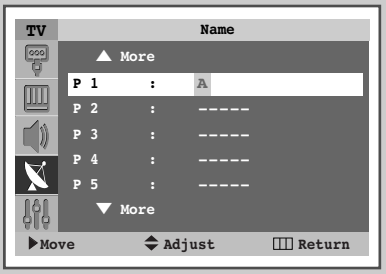
Result: The **Name** menu is displayed with the current channel selected.

5 If necessary, select the channel to be assigned a new name by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

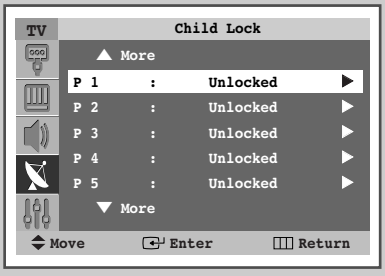
6 Press the ▲ or ▼ button to select a letter (A~Z), a number (0~9) or a symbol (space, -). Move on the previous or next letter by pressing the ◄ or ► button.

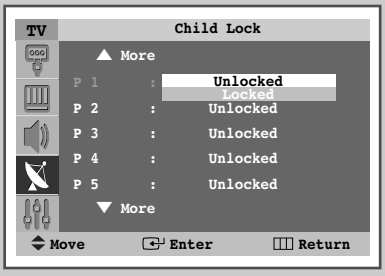
7 Repeat steps **5** to **6** for each channel to be assigned to a new name.





Locking the Channel





➢ Not available in DTV or external input mode.

This feature allows you to lock the television so that it cannot be switched on via the front panel. It can, however, still be switched on via the remote control. By keeping the remote control away from unauthorised users, such as children, you can prevent them from watching unsuitable programme.

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 **Child Lock**. Press the **ENTER** (↵) button.

Result: The **Child Lock** menu is displayed and the current channel is shown as selected.

5 Press the ▲ or ▼ button to select the channel to be locked.

6 Press the **ENTER** (↵) button. To lock the channel, select **Locked** by pressing the ▲ or ▼ button (to unlock the channel, select **Unlocked**). Press the **ENTER** (↵) button.

Fine Tuning Channel Reception

➢ Not available in DTV or external input 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**. Press the **ENTER** ( ) button.

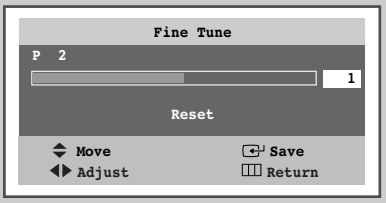
Result: The horizontal bar is displayed.

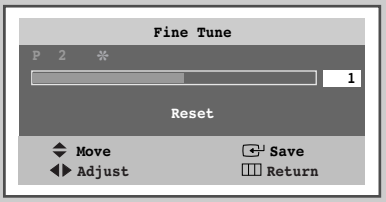
5 To obtain a sharp and clear picture and good sound quality, press the ◄ or ► button until you reach the setting.

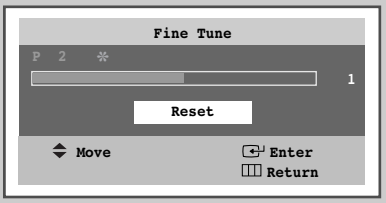
6 To store the fine tuning setting in the TV's memory, press the **ENTER** ( ) button.

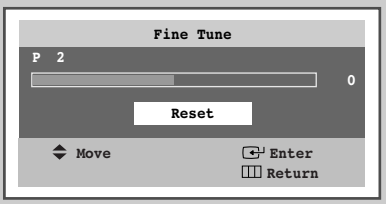
Result: The programme number turns red, and the "✲" symbol is displayed. (**P 2 ✲**)

7 To reset the fine tuning to **0**, select **Reset** by pressing the ▲ or ▼ button then press the **ENTER** ( ) button.

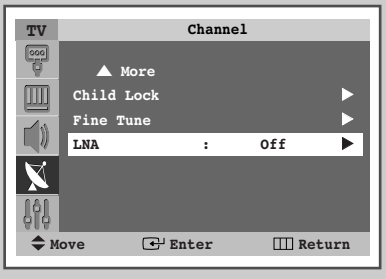


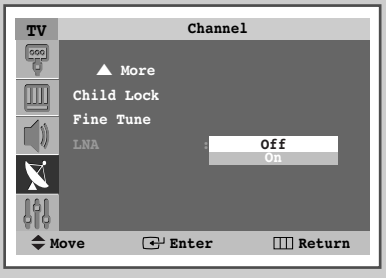






Using the LNA (Low Noise Amplifier) Feature





This feature is very useful in the situation that the TV is used in a weak signal, and amplifies the TV signal in the weak signal area, but not noise.

This feature is working only in a weak signal condition, and that is memorized on relevant channel's additional information automatically.

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.

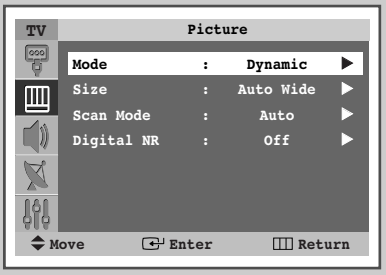
3 Press the **ENTER** ( ) button.

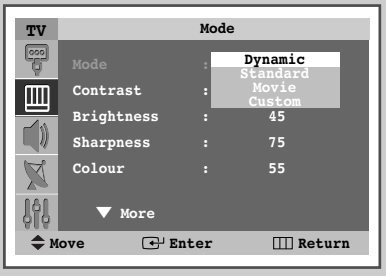
4 Press the ▲ or ▼ button to select **LNA**. Press the **ENTER** ( ) button.

5 Select **Off** or **On** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

Changing the Picture Standard

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





1 Press the **MENU** ( ) button.

Result: The main menu is displayed.

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

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

3 Press the **ENTER** ( ) button.

Result: The **Mode** is selected.

4 Press the **ENTER** ( ) button again.

Result: The options available in the **Mode** group are displayed with **Mode** selected.

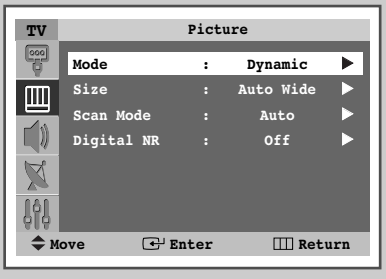
5 Press the **ENTER** ( ) button.
Select the required option by pressing the ▲ or ▼ button.

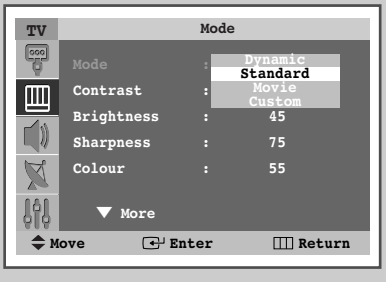
Result: The following modes are available:

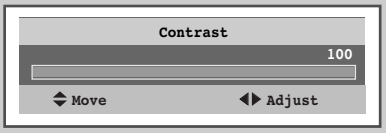
Dynamic — Standard — Movie — Custom

6 Press the **ENTER** ( ) button.

Customizing the Picture Settings







Your television has several setting options that allow you to control the picture quality.

1 Press the **MENU** ( ) button.

Result: The main menu is displayed.

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

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

3 Press the **ENTER** ( ) button.

Result: The **Mode** is selected.

4 Press the **ENTER** ( ) button again.

Result: The options available in the **Mode** group are displayed with **Mode** selected.

5 Press the **ENTER** ( ) button.
Select the required option by pressing the ▲ or ▼ button.

Result: The following modes are available:

Dynamic — Standard — Movie — Custom

6 Press the **ENTER** ( ) button.

7 Press the ▲ or ▼ button to select the option (**Contrast**, **Brightness**, **Sharpness**, **Colour**, or **Tint**-NTSC only) to be adjusted. Press the **ENTER** ( ) button.

Result: The horizontal bar is displayed. Press the ◀ or ▶ button until you reach the optimal setting.

➢ To select other options, press the ▲ or ▼ button.

Customizing the Picture Settings (continued)

8 Press the **MENU** ( ) button.

Result: The main menu is displayed again.

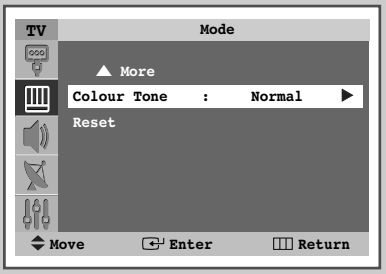
9 Press the ▲ or ▼ button to select **Colour Tone**.
Press the **ENTER** ( ) button.

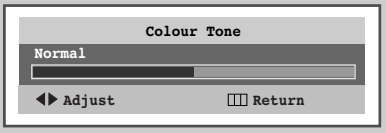
10 Select the required colour tone (**Warm 1** ~ **Warm 10**, **Normal**, **Cool 1** ~ **Cool 10**) by pressing the ◀ or ▶ button.

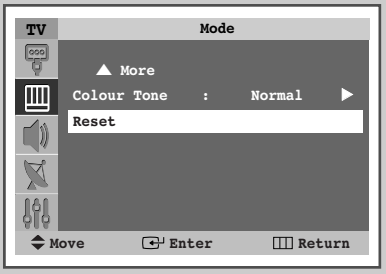
11 Press the **MENU** ( ) button to return to the previous menu.

12 To return to the factory defaults, select **Reset** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.
The reset function is set for each mode (**Dynamic**, **Standard**, **Movie**, or **Custom**).

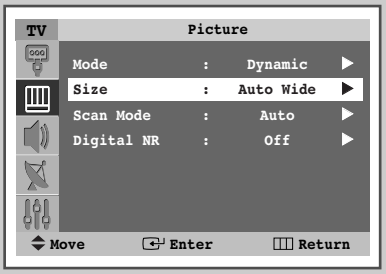
Result: The previously adjusted settings will be reset to the factory defaults.

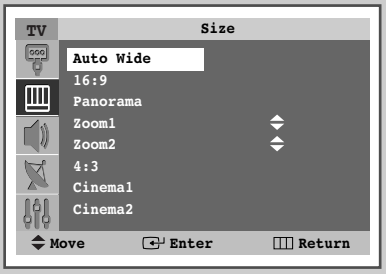


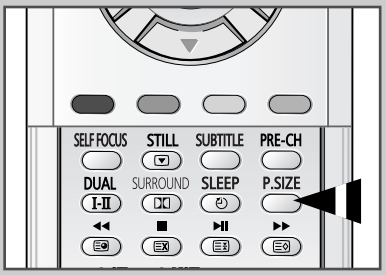




Selecting the Picture Size (Wide Model : Analog Mode)







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

1 Press the **MENU** ( ) button.

Result : The main menu is displayed.

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

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

3 Press the **ENTER** ( ) button.

4 Press the ▲ or ▼ button to select **Size**. Press the **ENTER** ( ) button.

Result : The **Size** menu is displayed.

5 Select the required mode by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

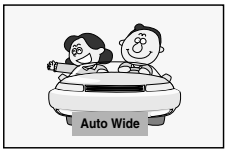
Result : The following modes are available:

Auto Wide	Automatically enlarges the image to fit the 16:9 aspect ratio providing the optimum display.
16:9	Adjusts the picture to fit into the 16:9 wide aspect ratio.
Panorama	Adjusts a Wide picture to appear natural.
Zoom1	Vertically enlarges the picture approximately 130%.
Zoom2	Vertically enlarges the picture about approximately 150%.
4:3	Adjusts the picture to fit into a 4:3 normal aspect ratio. (Prolonged use in 4:3 mode may cause the lifespan of the CRT to be reduced.)
Cinema1	To maintain optimum screen display, the picture is vertically enlarged and the letterboxed (black margin) area is filled with gray instead.
Cinema2	When the top and bottom of the screen margin are black (blank), they will change to gray.

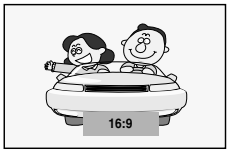
➢
- ◆ Lifting is available in the **Zoom1** or **Zoom2** mode by pressing the ▲ or ▼ button.
- ◆ Subtitles may be cut-off or hidden below the screen area in **Zoom1**, **Zoom2**, **Cinema1**, and **Cinema2** modes.

➢ You can select these options by simply pressing the **P.SIZE** button on the remote control.

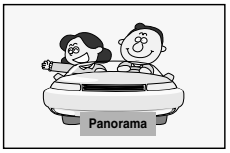
4:3 Signal



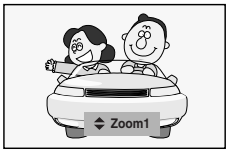
Auto Wide



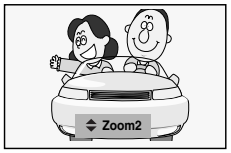
16:9



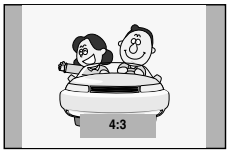
Panorama



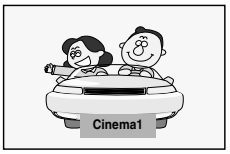
Zoom1



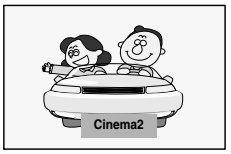
Zoom2



4:3

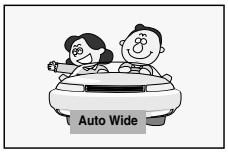


Cinema1

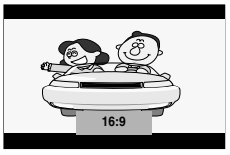


Cinema2

16:9 Signal

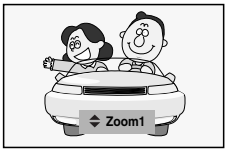


Auto Wide

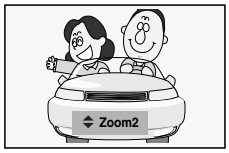


16:9

Panorama

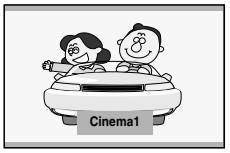


Zoom1

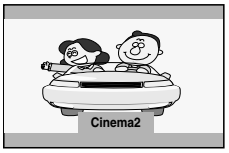


Zoom2

4:3

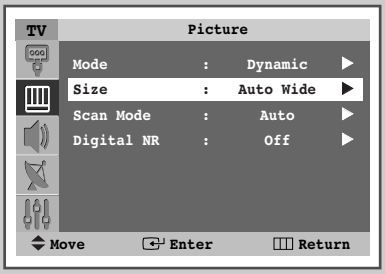


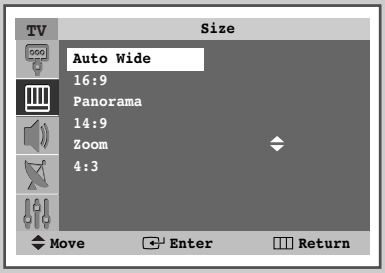
Cinema1

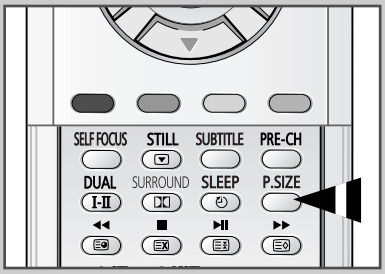


Cinema2

Selecting the Picture Size (Wide Model : DTV Mode)







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

1 Press the **MENU** ( ) button.

Result : The main menu is displayed.

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

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

3 Press the **ENTER** ( ) button.

4 Press the ▲ or ▼ button to select **Size**. Press the **ENTER** ( ) button.

Result : The **Size** menu is displayed.

5 Select the required mode by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

Result : The following modes are available:

Auto Wide	Automatically enlarges the image to fit the 16:9 aspect ratio providing the optimum display.
16:9	Adjusts the picture to fit into the 16:9 wide aspect ratio.
Panorama	Adjusts a Wide picture to appear natural.
14:9	Adjusts the picture to fit into the 14:9 wide aspect ratio.
Zoom	Vertically enlarges the picture approximately 130%.
4:3	Adjusts the picture to fit into a 4:3 normal aspect ratio. (Prolonged use in 4:3 mode may cause the lifespan of the CRT to be reduced.)

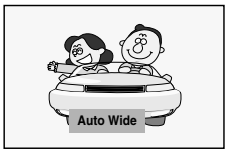
➢ ◆ Lifting is available in the **Zoom** mode by pressing the ▲ or ▼ button.

◆ Subtitles may be cut-off or hidden below the screen area in **Zoom** modes.

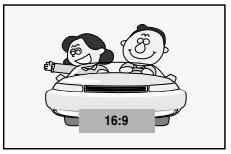
➢ You can select these options by simply pressing the **P.SIZE** button on the remote control.

Selecting the Picture Size (Wide Model : DTV Mode) (continued)

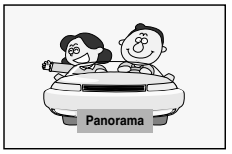
4:3 Signal



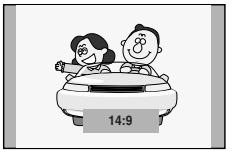
Auto Wide



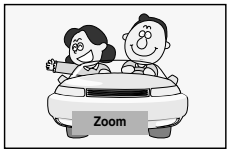
16:9



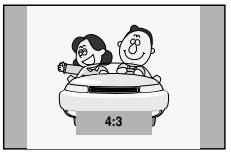
Panorama



14:9

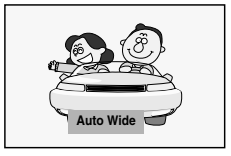


Zoom

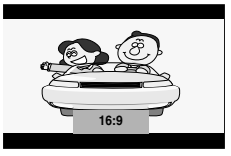


4:3

16:9 Signal

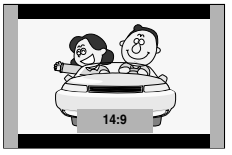


Auto Wide

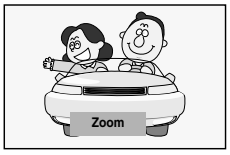


16:9

Panorama



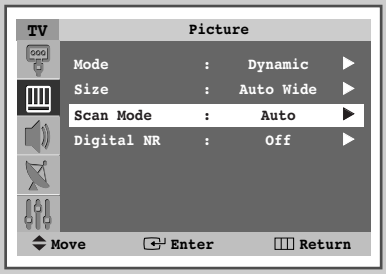
14:9

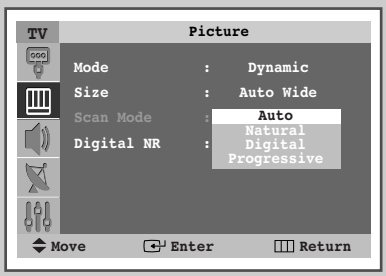


Zoom

4:3

Selecting the Scan Mode





You will normally find that scan mode is best set to `Natural` to reduce any slight picture flicker. However, it is possible that some occasional broadcasts (NTSC-M) may benefit by changing the scan mode.

1 Press the **MENU** ( ) button.

Result: The main menu is displayed.

2 Press the ▲ or ▼ button to select **`Picture`**.

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

3 Press the **ENTER** ( ) button.

4 Press the ▲ or ▼ button to select **`Scan Mode`**. Press the **ENTER** ( ) button.

5 Select the required option by pressing the ▲ or ▼ button.

Result: The following modes are available:

`Auto — Natural — Digital — Progressive`

6 Press the **ENTER** ( ) button.

Setting the Digital NR (Digital Noise Reduction)

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

1 Press the **MENU** ( ) button.

Result: The main menu is displayed.

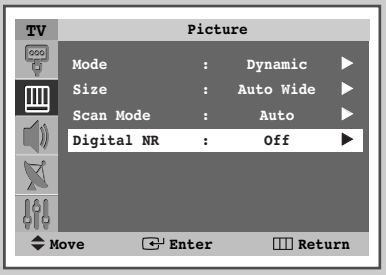
2 Press the ▲ or ▼ button to select **Picture**.

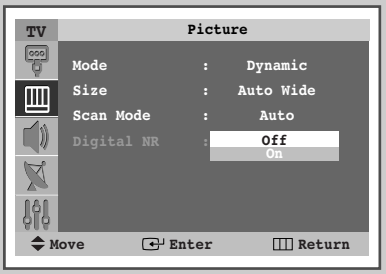
Result: The options available in the **Picture** group are displayed.

3 Press the **ENTER** ( ) button.

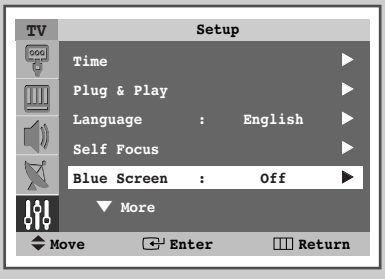
4 Press the ▲ or ▼ button to select **Digital NR**. Press the **ENTER** ( ) button.

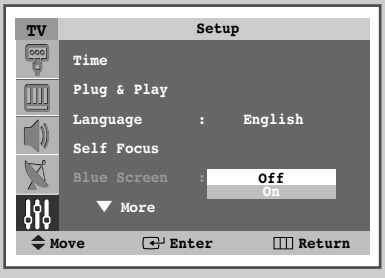
5 Select **Off** or **On** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.





Setting the Blue Screen





➢ Not available in DTV mode.

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.

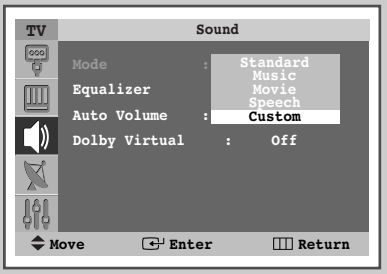
3 Press the **ENTER** (↵) button.

4 Press the ▲ or ▼ button to select **Blue Screen**.
Press the **ENTER** (↵) button.

5 Select **Off** or **On** by pressing the ▲ or ▼ button.
Press the **ENTER** (↵) button.

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 Press the **ENTER** ( ) button again.

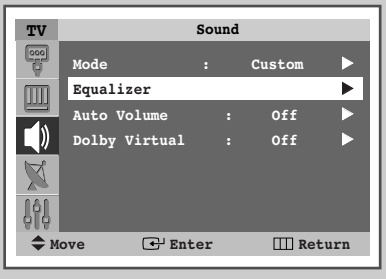
5 Select the required option by pressing the ▲ or ▼ button.

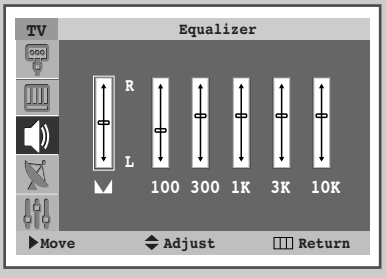
Result: The following modes are available:

Standard – Music – Movie – Speech – Custom.

6 Press the **ENTER** ( ) button.

Adjusting the Sound Settings





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**. Press the **ENTER** ( ) button.

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

5 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.

◆ ***Dolby Virtual***

This feature converts a monaural sound signal into two identical left and right channels. Once the **Dolby Virtual** is set to **Off** or **On**, the setting applies to the sound effects such as **Standard**, **Music**, **Movie**, and **Speech**.

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** or **Dolby Virtual**) by pressing the ▲ or ▼ button.

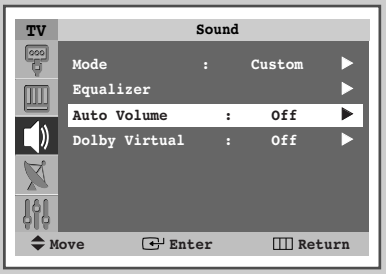
5 Press the **ENTER** ( ) button.

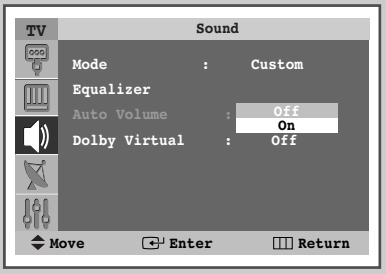
6 To activate each feature, select **On** by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

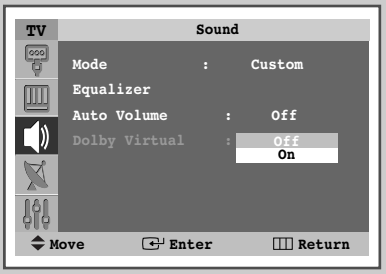
➢ ◆ You can also set these options simply by pressing the **SURROUND** ( ) button.

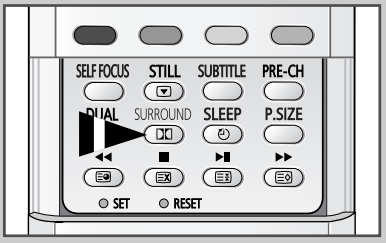
◆ Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

VIRTUAL DOLBY SURROUND

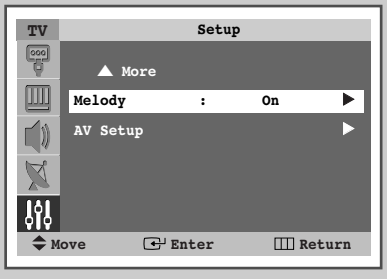


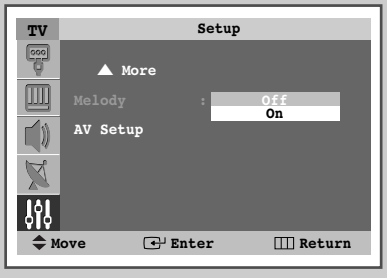






Setting the Melody Sound



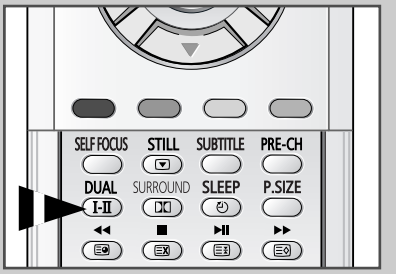


You can hear clear melody sound when the television is powered on or off.

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 **Melody**. Press the **ENTER** ( ) button.
5	Select **Off** or **On** by pressing the ▲ or ▼ button.
6	Press the **ENTER** ( ) button.

Selecting the Sound Mode (depending on the model)

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.



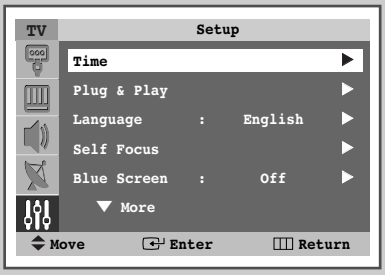
	Type of broadcast	On-screen indication
NICAM Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)
	Regular + NICAM Mono	**NICAM Mono** ↔ **Mono** (Normal)
	NICAM Stereo	**NICAM Stereo** ↔ **Mono** (Normal)
	NICAM Dual I/II	**NICAM Dual I** → **NICAM Dual II** → **Mono** (Normal)
A2 Stereo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

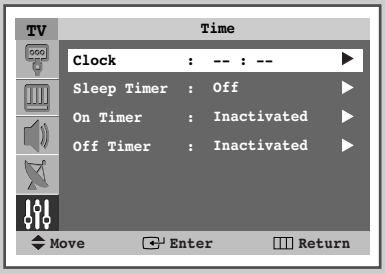
➢
- If the receiving conditions deteriorate, listening will be easier if the mode is set to **Mono**.
- If the stereo signal is weak and an automatic switching occurs, then switch to **Mono**.
- When receiving a mono sound in the AV mode, connect to the "AUDIO-L" input connector on the panel (front or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

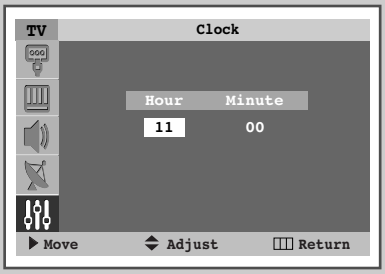
➢ **DTV mode**

	When press the DUAL I-II button	After changing channels (Default Mode)	On-screen indication
Mono	Mono	Mono	Mono
Stereo	Stereo ↔ Mono	Stereo	Stereo
Dual Mono	Dual I → Dual II → Dual	Dual I	Dual I

Setting and Displaying the Current Time







You can set the television 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 " **I** " button (On/Off) on the panel 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 **Setup**.

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

3 Press the **ENTER** ( ) button.

4 Press the ▲ or ▼ button to select **Time**. Press the **ENTER** ( ) button.

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

5 Press the **ENTER** ( ) button.

6 Press the ◄ or ► button to move to the **Hour** or **Minute**. Set these by pressing the ▲ or ▼ button.

➢ You can also set the **Hour** and **Min** by pressing the numeric buttons directly.

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.

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.

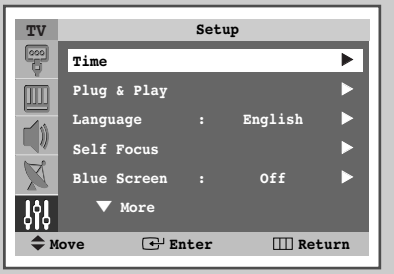
4 Press the ▲ or ▼ button to select **Time**. Press the **ENTER** ( ) button.

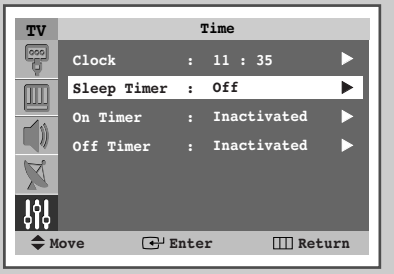
Result: The options available in the **Time** group are displayed.

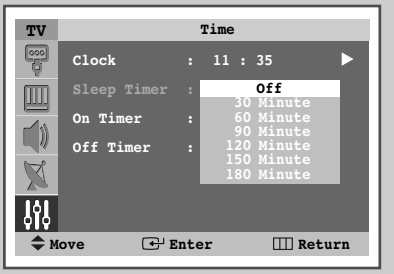
5 Press the ▲ or ▼ button to select **Sleep Timer**. Press the **ENTER** ( ) button.

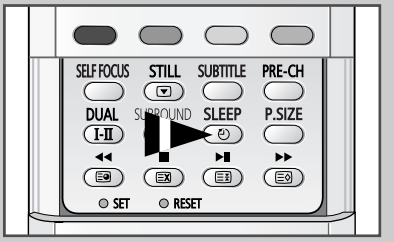
6 Select the preset time interval (**Off**, **30 Minute**, **60 Minute**, **90 Minute**, **120 Minute**, **150 Minute**, **180 Minute**) for staying on by pressing the ▲ or ▼ button. Press the **ENTER** ( ) button.

➢
- You can also set these options simply by pressing the **SLEEP** ( ) button.
- If the sleep timer is not yet set, **Off** is displayed. If the sleep timer is already set, the remaining time before which the television switches to Standby mode is displayed.

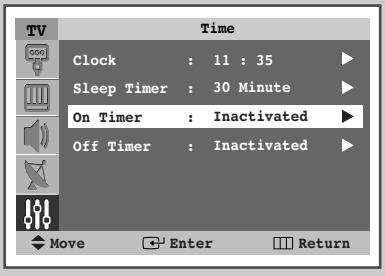


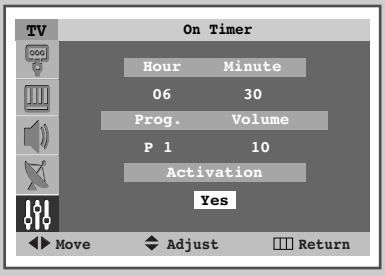


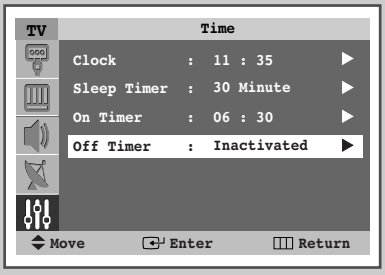




Switching the Television On and Off Automatically







You can set the On/Off timers so that the television will switched on/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 page 66). 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 **Setup**.
Result : The options available in the **Setup** group are displayed.

3 Press the **ENTER** (↵) button.

4 Press the ▲ or ▼ button to select **Time**. Press the **ENTER** (↵) button.
Result : The options available in the **Time** group are displayed.

5 Press the ▲ or ▼ button to select **On Timer**. Press the **ENTER** (↵) button.
Result : The options available in the **On Timer** group are displayed.

6 Select the **Hour**, **Minute**, **Prog.** (programme number), or **Volume**. Press the ◀ or ▶ button to set these by pressing the ▲ or ▼ button.
➢ You can also set the **Hour** and **Min** by pressing the numeric buttons directly.

7 To activate the **On Timer** with the settings satisfied, select **Activation** to by pressing the ◀ or ▶ button,then select **Yes** by pressing the ▲ or ▼ button.

8 Press the **MENU** (▥) button.
Result : The options available in the **Time** group are displayed again.

9 Press the ▲ or ▼ button to select **Off Timer**. Press the **ENTER** (↵) button.
Result : The **Off Timer** menu is displayed.

10 Set the **Off Timer** as methods for **On Timer** setting.

➢ **Auto Power Off**

When you set the timer "**On**", the television will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by timer. This function is only available in timer "**On**" mode and prevents overheating or leakages, which may occur if a TV is on for too long (on holiday, for example).

➢ When the on/off timer is set, and the TV is turned off while watching a digital TV channel (or an analog TV channel), then the TV will automatically be turned on and display the digital TV channel (or the analog TV channel).

Viewing an External Signal Source

Use the remote control to switch between viewing signals from connected equipment, such as VCR, DVD, Set-Top Box and the TV source (broadcast or cable)

1 Press the **MENU** ( ) button.

Result: The main menu is displayed.

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

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

3 Press the **ENTER** ( ) button.

Result: The **Source List** is selected.

4 Press the **ENTER** ( ) button again.

5 Press the ▲ or ▼ button to select signal source, then press the **ENTER** ( ) button.

➢ ◆ When you connect equipment to the TV, you can choose between the following sets of jacks : **Ext.1**, **Ext.2**, **Ext.3**, or **Component** on the TV's rear panel, and **AV** or **S-Video** on the TV's side panel.

◆ You can select these options simply by pressing the **SOURCE** ( ) button.

6 Press the **MENU** ( ) button.

Result: The main menu is displayed.

7 Press the ▲ or ▼ button to select **Input**.

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

8 Press the ▲ or ▼ button to select **Edit Name**.
Press the **ENTER** ( ) button.

9 Press the ▲ or ▼ button to select the external source to be edited.
Press the **ENTER** ( ) button.

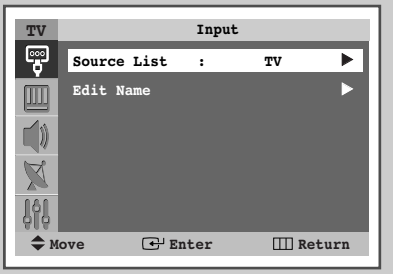
Result: The device names available are listed.

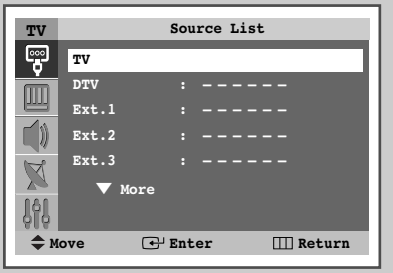
VCR – DVD – Cable STB – HD STB – Sat. STB – AV Receiver – DVD Receiver – Game – Camcorder – DVD Combo – DHR (**D**VD **H**DD **R**ecorder) **– PC**.

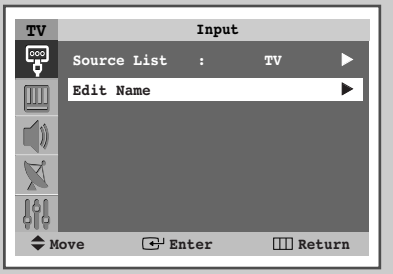
10 Select the required device by pressing the ▲ or ▼ button.
Press the **ENTER** ( ) button.

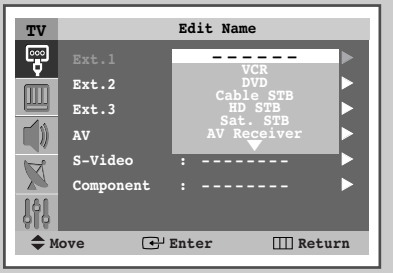
➢ If you change the external source while viewing, it might take a short period of time for pictures to be switched.

➢ To watch television programme again, press the **TV/DTV** button and select the channel number required.

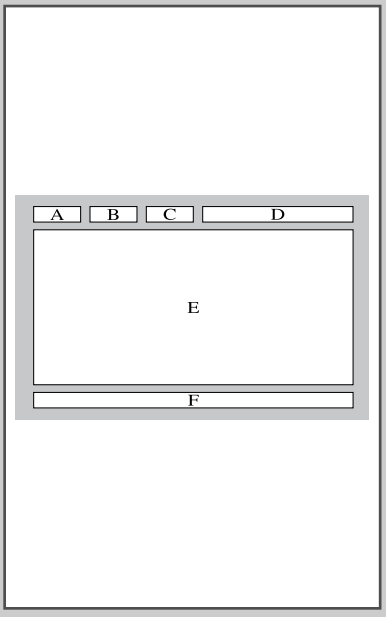








Teletext Feature



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

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

The teletext pages are organized according to six categories:

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

➢ 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

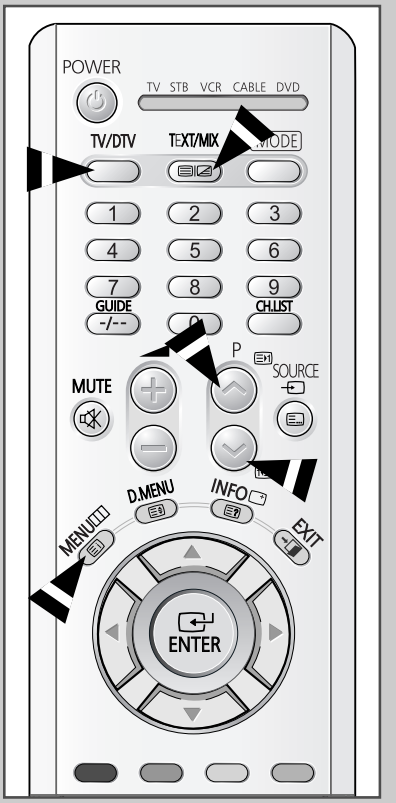
You can display Teletext information at any time on your television.

☛ For Teletext information to be displayed correctly, channel reception must be stable; otherwise:

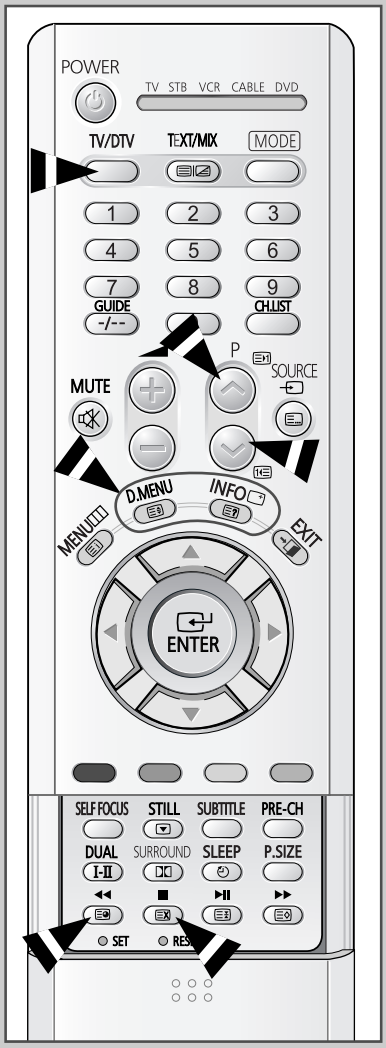
- Information may be missing
- Some pages may not be displayed

To activate the teletext mode and display the contents page:

1	Select the channel providing the Teletext service using the **P** or 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/DTV** button to exit from the teletext display.



Selecting Display Options



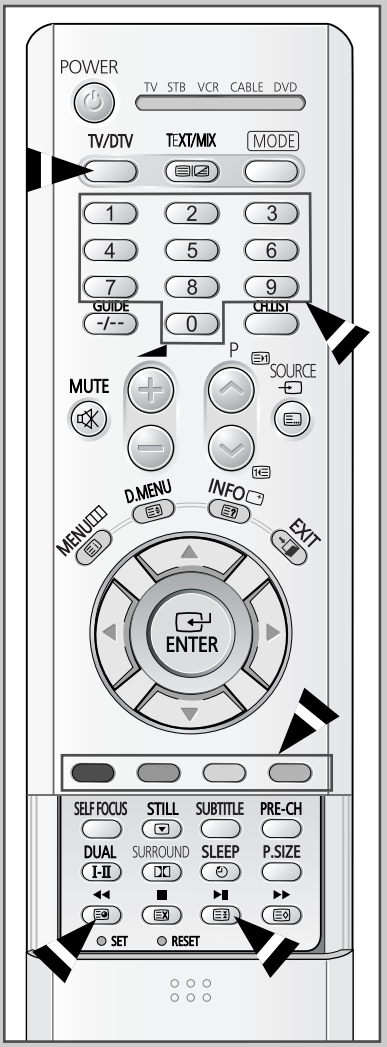
When you have displayed a Teletext page, you can select various options to suit your requirements.

To display...	Press the...
◆ Hidden text (answers to quiz games, for example)	(reveal)
◆ The normal screen	(reveal) again
◆ A secondary page	(sub-page)
◆ The broadcast when searching for a page	(cancel)
◆ The next page	(page up)
◆ The previous page	(page down)
◆ Double-size letters in the: • Upper half of the screen • Lower half of the screen	(size) • Once • Twice
◆ Normal screen	• Three times

➢ To return to the normal display after using the reveal or size feature, press the **TV/DTV** button.

Selecting a Teletext Page

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 increased by one and the page is then displayed. 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 it again to resume.

2 If the FASTEXT system is used by the broadcasting company, the different topics covered on a Teletext page are colour-coded and can be selected by pressing the coloured buttons on the remote control.
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.

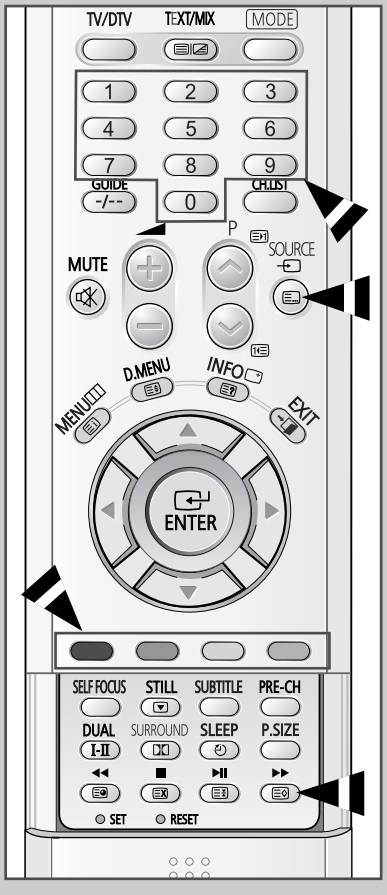
3 To display the previous or next page, press the corresponding coloured button.

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 pressing the Red or Green button.

5 When you have finished, press the **TV/DTV** button to return to your normal broadcast.

Storing Teletext Pages (depending on the model)



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.

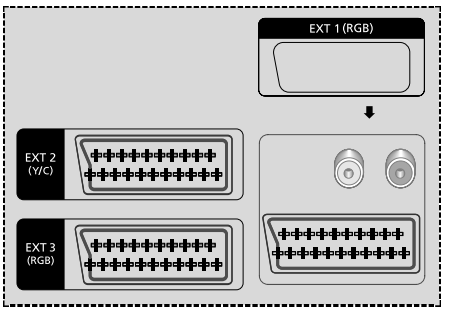
4 Repeat steps **2** and **3** for each page to be stored, using a different coloured button each time.

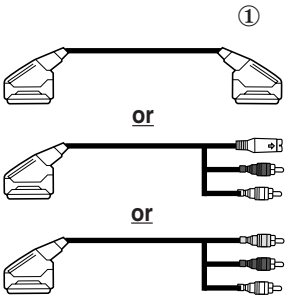
5 Press the (store) button until the corresponding blocks blink.

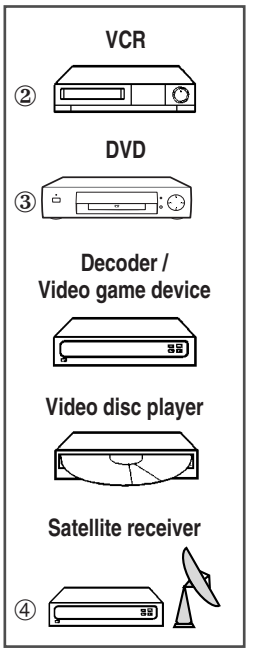
Connecting to the External Input/Outputs

➢ **EXT 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
- An S-Video connector and two audio RCA connectors (L+R); **EXT 2**
- Three RCA connectors (VIDEO + AUDIO-L and R)

② If you have a second VCR and wish to copy cassette tape, connect the source VCR to **EXT 1** and the target VCR to **EXT 2** so that you can redirect the signal from **EXT 1** to **EXT 2**.

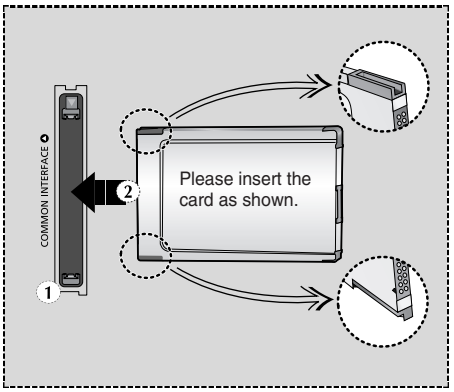
③ If you have a decoder, connect the decoder to the VCR and the VCR to the television.

④ When you wish to record a programme, connect the receiver to **EXT 1** and the VCR to **EXT 2** so that you can redirect the signal from **EXT 1** to **EXT 2**.

☛ 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 to the Common Interface

Rear of the TV



① **COMMON INTERFACE**
PCMCIA Slot supports the DVB Common Interface (DVB-CI) standard. This connection is provided for future expansion of your Samsung DTV set allowing the installation of DVB-CI compatible peripherals, for example a DVB-CI module to support pay TV services. The availability of DVB-CI peripherals varies country by country.
Please contact your retailer for information about the availability of DVB-CI peripherals in your region.

➢ The **Common Interface** in the menu is active (white characters) when the CI-card is properly inserted. It is inactive when the card is improperly inserted.

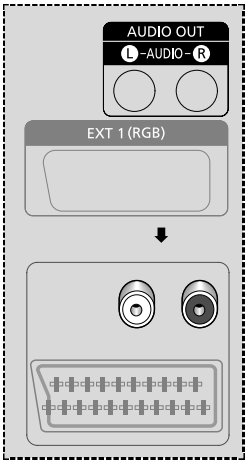
② **Inserting the CI (Common Interface) card**
If you want to watch the scrambled channel, insert the CI card into the **COMMON INTERFACE** slot.

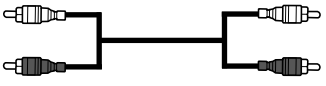
Connecting to the Audio Output

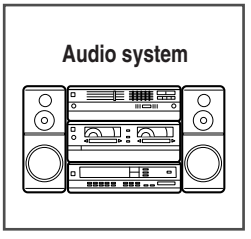
➢ Please be sure to match the colour coded input terminals and cable jacks.

➢ The RCA (**AUDIO-L** and **R**) connectors are used for equipment, such as an audio system (to take full advantage of the Surround sound effect).

Rear of the TV





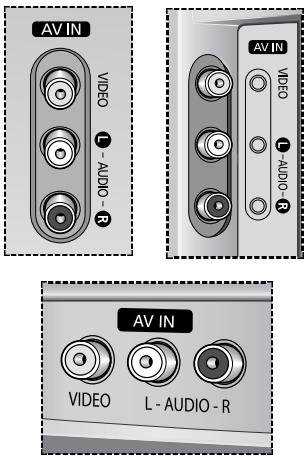


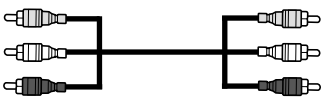
Connecting to the RCA Input

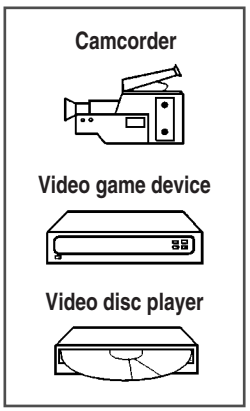
➢ Please be sure to match the colour coded input terminals and cable jacks.

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

Side of the TV
(depending on the model)







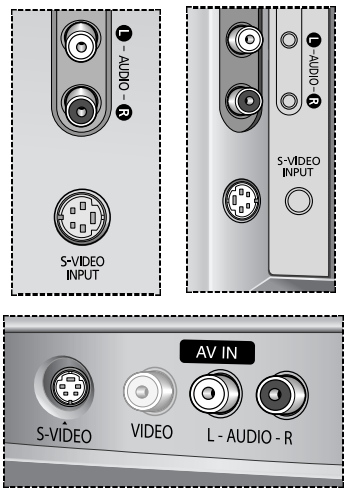
➢ When both the side AV and rear connectors are connected to external equipment, the side AV receives priority.

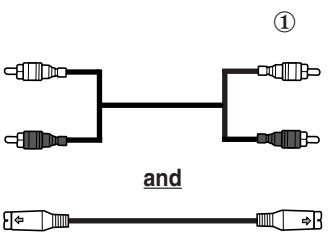
Connecting to the S-Video Input

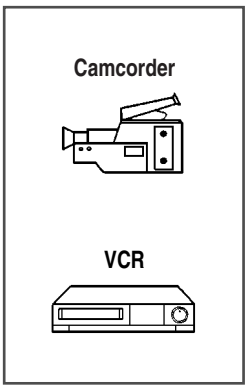
➢ Please be sure to match the colour coded input terminals and cable jacks.

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

Side of the TV
(depending on the model)





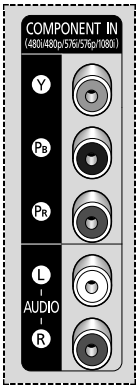


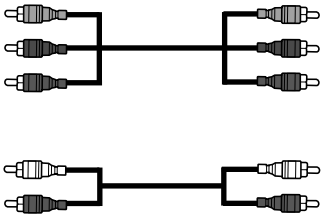
① To play pictures and sound, both the **S-VIDEO** (or **S-VIDEO INPUT**) and RCA (**AUDIO-L** and **R**) connectors must be used.

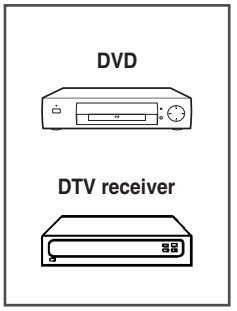
Connecting to the Component Input

➢ Please be sure to match the colour coded input terminals and cable jacks.

Rear of the TV

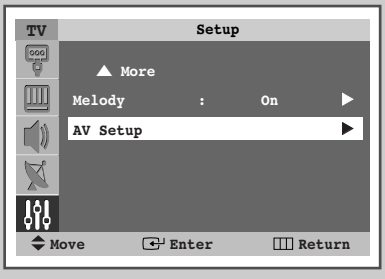


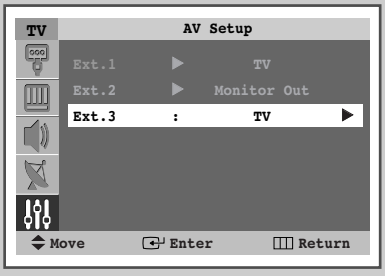


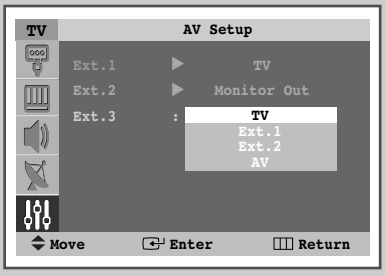


➢ The **COMPONENT IN** connectors are used for equipment with a DVD or DTV receiver output. (480i, 480p, 576i, 576p, 1080i)

Redirecting an Input to the External Output







Your television enables you to choose which audio/video signals are output to the external connector.

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 **AV Setup**.
Press the **ENTER** ( ) button.

Result: The **AV Setup** menu is displayed with the **Ext.3** is selected.

5 Press the **ENTER** ( ) button. Select the source to be directed to the output of **Ext.3** by pressing the ▲ or ▼ button.

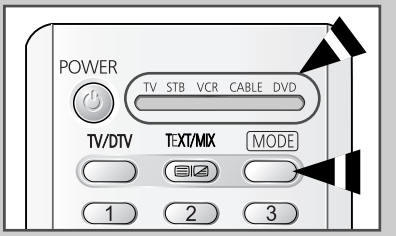
➢ **Ext.1** : Default (**TV**)
Ext.2 : Default (**Monitor Out**)
Ext.3 : Variable (**TV**, **Ext.1**, **Ext.2**, or **AV**)

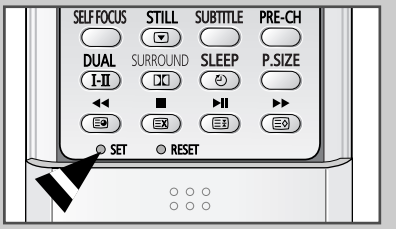
6 Press the **ENTER** ( ) button.

Programming the Remote Control for Other Components

Your TV comes equipped with a universal remote control. In addition to controlling the TV, the universal remote control can also operate a VCR, Cable box, DVD, and Set-Top Box (even if your VCR, Cable box and DVD are made by manufacturers other than Samsung).

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





1 Turn off your VCR (Cable box or DVD).

2 Press the **MODE** button to switch the remote control to the **VCR** (**CABLE** or **DVD**) mode.

➢ The remote control has five modes : **TV**, **STB**, **VCR**, **CABLE**, and **DVD**

3 Press the **SET** button.

4 Enter 3 digits of the VCR (Cable box or DVD) code listed on the next page for your VCR (Cable box or DVD).

Example: To enter the code “6”, press 0, 0, and 6.
To enter the code “76”, press 0, 7, and 6.

5 Press the **POWER** ( ) button. Your VCR (Cable box or DVD) should turn on. If it turns on, your remote control is now set correctly.

➢ If it does not turn on, repeat the steps above, but try one of the other codes listed for your particular brand.

6 Once your remote control is set up, press the **MODE** button any time you want to use the remote control to operate VCR (Cable box or DVD).

➢
- When your remote control is in the **STB**, **VCR**, **CABLE**, and **DVD** mode, the volume buttons still control your television’s volume.
- When your remote control is in the **TV** mode, the VCR or DVD control buttons (rewind, stop, play/pause and fast forward) still operate your VCR or DVD.

Programming the Remote Control for Other Components

VCR Remote Control Codes

Admiral	015,088	Hitachi	014,024,044,045	Quasar	017,053
Aiwa	024	Instant Replay	017	Radio Shack	011,015,017,018,021,024,
Akai	026,031,032	JC Penny	011,014,016,017,023,025,		028,036,052,062
Audio Dynamics	022,025		039,044,060,062	RCA	009,014,016,017,037,044,
Bell & Howell	011	JCL	011,017,023,025,039,055		046,063,078
Broksonic	019	Kenwood	011,023,025,039,055	Realistic	011,015,017,018,021,024,
Candle	016,018,022,054,055,061	KLH	082		028,036,052,062
Canon	017,062	LG(Goldstar)	001,002,007,018,023,055,	Samsung	000,016,022, 031,041,051
Citizen	016,018,022,054,055,061		069	Sansui	025
Colortyme	023	Lloyd	024	Sanyo	011,021
Craig	016,021	Logik	040	Scott	022,050,058,077
Curtis Mathes	009,016,017,023,024,055,	LXI	024	Sears	011,014,018,021,027,028,
	062,073,076	Magnavox	017,038,062,065		044,052,057
Daewoo	003,004,005,006,007,008,	Marantz	011,017,023,025,038,039,	Sharp	015,036,048,054
	022,054,085		055,070	Shintom	026,035,040,064
DB	023,025	MTC	016,024	Signature	024
Dimensia	009	Multitech	016,024,040,041	Sony	026,035,047
Dynatech	024	NEC	011,023,025,039,055,070,	Sylvania	017,024,038,062,065
Electrohome	036		073	Symphonic	024
Emerson	017,018,019,022,024,029,	Optimus	015	Tandy	011,024
	032,036,043,050,051,056,	Panasonic	017,062,084,086	Tatung	039
	058,066,071,074,076,077,	Pentax	014,044	Teac	024,039,078
	079	Pentex Research+	055	Technics	017
Fisher	011,021,027,028,052,057,	Philco	017,038,062,065	Teknika	017,018,024,030
	067	Philips	017,038	TMK	076
Funai	024	Pioneer	014,025,042,059	Toshiba	014,022,028,057,058
General Electric	009,016,017,041,062	Portland	053,054,061	Toshiko	018
Go Video	016	PROSCAN	009	Totevision	016,018
Harman Kardon	023	Quartz	011		

Cable Box (CATV) Remote Control Codes

Anvision	015,016	Magnavox	015,016,027,029,034,036,	Signature	054
Cable Star	015,016		037,040,041,048,049	Sprucer	035
DaeHan	005	Nawoo	001	Starcom	054
DeaRyung	003	NSC	017	Stargate2000	066
DongKuk	004	Oak	024,046	Sylvania	019,067
Eagle	015,016	Osk Sigma	024	TaePyungYang	002
Eastern International	020	Panasonic	011,035,047,069	Texscan	019,067
General Instrument	054	Philips	015,016,027,029,034,036,	Tocom	025,029,057,058,063
GI	012,013,023,031,032,033,		037,040,041,048,049	Unika	039,040,049
	038,044,075,076,077	Pioneer	026,028,052	Universal	059,060
Hamlin	011,012,020,021,042,056	Randtek	015,016	Viewstar	015,016,027,029,034,036,
Hitachi	045,051,054	RCA	008,035,074		037,040,041,048,049
Jerrold	012,013,023,031,032,033,	Regal	011,020,021	Warner Amex	052
	038,044,054,070,073	Regency	010,041	Zenith	022,050,065,069
LG(Goldstar)	006	Saewoo	007		
Macom	045,051	Samsung	000,011,030,052,071,072		

DVD Remote Control Codes

Curtis Mathes	009	Philips	007	Sharp	005
JVC	003	PROSCAN	008	Sony	004
LG(Goldstar)	001	RCA	008	Toshiba	002
Panasonic	006	Samsung	000		

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 the help desk at 0870-242-0303 or dttvsupport@seri.co.uk.

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the " **I** " button (On/Off) and the **POWER** (⏻) button. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	◆ Check the volume. ◆ Check whether the volume **MUTE** (🔇) button on the remote control has been pressed.
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 television, then move it further away. ◆ Plug your television into a different mains socket.
Blurred or snowy picture, distorted sound	◆ Check the direction, location and connections of your aerial. This interference is often occurs 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.

– 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.

SAMSUNG

ELECTRONICS

BP68-00491A-00