SAMSUNG

DIGITAL TELEVISION

Owner's Instructions

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

ON-SCREEN MENUS
TELETEXT
DIGITAL TERRESTRIAL RECEIVER

VIRTUAL
DD DOLBY
SURROUND

Contents

Symbols

▲
Press

☛
Important

➣
Note

Contents (continued)

View of Your Television

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

Control Panels

Front of the TV

TV/
VIDEO MENU   − VOL +   ∨ CH ∧   ⏻ POWER

1 2 3 4 5 6   7   8 9
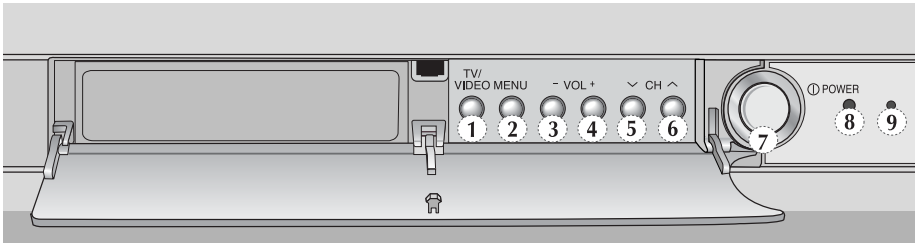
1)	**Input source selection**	**6)**	**Next channel**
2)	**Menu display**	**7)**	**Power On/Off**
3)	**Volume decrease**	**8)**	**Remote control sensor**
4)	**Volume increase**	**9)**	**Standby indicator**
5)	**Previous channel**		

Connection Panels

Side of the TV   ### *Rear of the TV*

Ⓡ
AUDIO
Ⓛ
(MONO)   **Audio Input (R, L)**

VIDEO2
INPUT   **Video Input**

S-VIDEO
INPUT   **S-Video Input**

🎧   **Headphone connector**

SERVICE PORT

VIDEO   AUDIO

MONITOR OUT
AV-2 INPUT (VCR)
COMPONENT INPUT (480i/576i)
AV-1 INPUT (VCR)

75Ω
VHF/UHF

Component/Audio/Video Input

Audio/Video Input

Monitor Audio/Video Output

75Ω Coaxial Connector for Aerial/Cable Network

Service Port
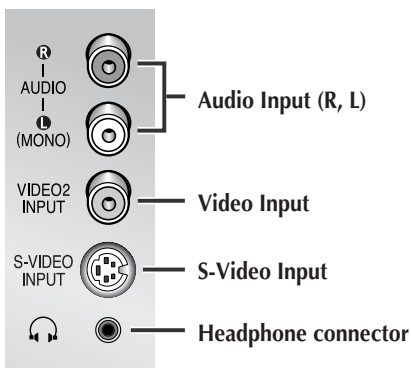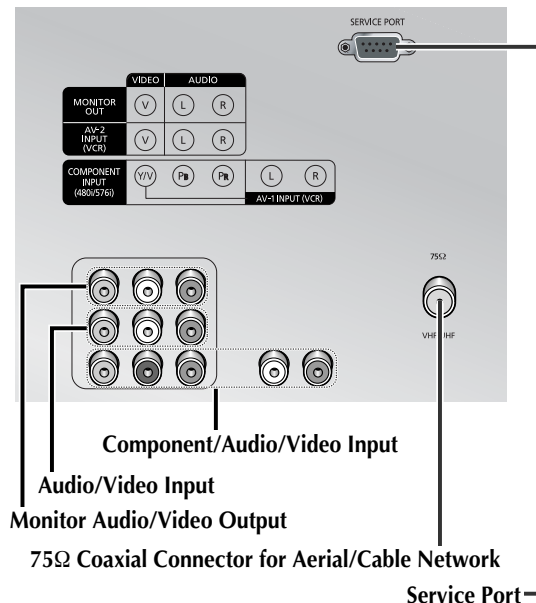
➢ Available format for Component Inputs: 480i/576i.

Becoming Familiar with the Remote Control

➢ Buttons and markings are subject to change.

The remote control is used mainly to:

◆ *Change channels and adjust the various settings*

◆ *Use the EPG (Electronic Programme Guide)*

◆ *Set up the television using the on-screen menu system*

TELEVISION STAND-BY

**PICTURE SIZE SELECTION/
TELETEXT SIZE SELECTION**

TV OR DTV MODE SELECTION

DIRECT CHANNEL SELECTION

EPG DISPLAY

VOLUME INCREASE

TEMPORARY SOUND SWITCH-OFF
➢ **Press it again , or – /+ button
to turn the sound back on.**

VOLUME DECREASE

DTV MENU DISPLAY

**MENU DISPLAY/
TELETEXT INDEX**

**MOVE TO THE REQUIRED MENU
OPTION/
ADJUST AN OPTION VALUE
RESPECTIVELY**

**SOUND MODE SELECTION/
TELETEXT SUB-PAGE**

**DIGITAL SUBTITLE DISPLAY/
TELETEXT HOLD**

PICTURE FREEZE

POWER **TEXT/MIX**

TV/DTV **P.SIZE** **SLEEP**

**1 2 3
4 5 6
7 8 9**

GUIDE 0 CH LIST

P

MUTE VIDEO

D.MENU INFO

MENU ENTER EXIT

SUBTITLE DUAL I-II S.MODE P.MODE

STILL

**TELETEXT DISPLAY/
MIX BOTH TELETEXT INFORMATION
AND THE NORMAL BROADCAST**

**AUTOMATIC SWITCH-OFF/
TELETEXT STORE**

DTV CHANNEL LIST DISPLAY

**NEXT CHANNEL/
TELETEXT NEXT PAGE**

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

**PREVIOUS CHANNEL/
TELETEXT PREVIOUS PAGE**

**INFORMATION DISPLAY/
TELETEXT REVEAL**

EXIT FROM ANY DISPLAY

CHANGE CONFIRMATION

**FASTEXT TOPIC SELECTION/
EPG DISPLAY/
FAVOURITE CHANNEL EDITION**

PICTURE EFFECT SELECTION

SOUND EFFECT SELECTION

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

English - 6

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*
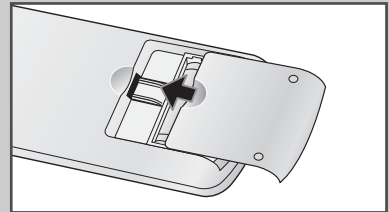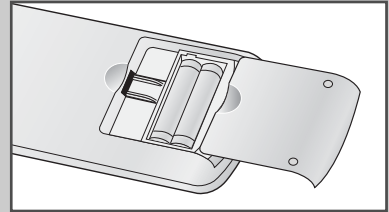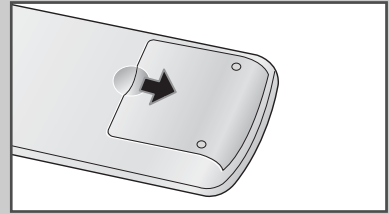
1 Remove the cover on the rear of the remote control by pressing the symbol downwards and then pulling firmly to remove it.

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.

Connecting to an Aerial or Cable Television Network
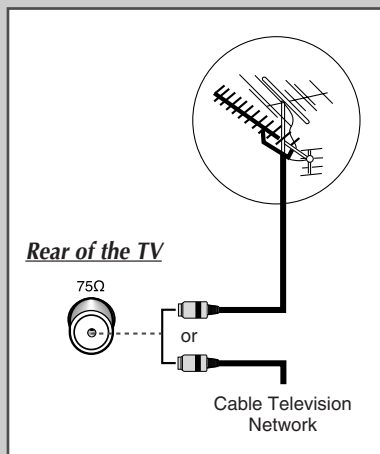
To view television channels correctly, a signal must be received by the set from one of the following sources:

- ◆ *An outdoor aerial*
- ◆ *A cable television network*
- ◆ *A satellite network*

Rear of the TV

75Ω

or

Cable Television Network

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1 In the first three cases, connect the aerial or network input cable to the 75Ω coaxial socket on the rear of the television.

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2 If you are using an indoor aerial, you may need to turn it when tuning your television until you obtain a picture that is both sharp and clear.

For further details, refer to:
- ◆ **(Digital TV)** "Storing Channels Automatically" on page 13
- ◆ **(Analog TV)** "Storing Channels Automatically" on page 28
- ◆ **(Analog TV)** "Storing Channels Manually" on page 30

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 "⏻" (On/Off) button on the front of the television.

Result: The Standby indicator on the front of the television lights up.

3   Press the **POWER** (⏻) button on the remote control to switch the television on.

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

When power is turned off in DTV mode, DTV mode will appear when power is turned on.
When power is turned off in Analog mode, Analog mode will appear when power is turned on.

➢   If you have not yet stored any channels, No clear picture appears. Refer to "Storing Channels Automatically" on page 28 or "Storing Channels Manually" on page 30.

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

Front of the TV
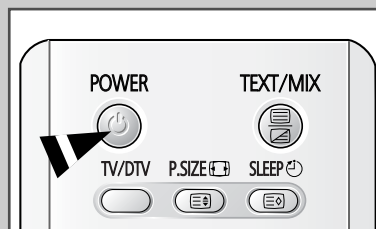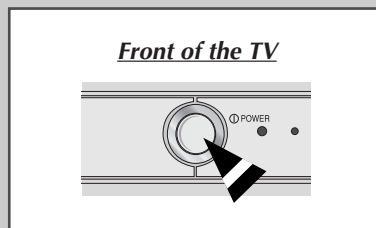
Placing Your Television in Standby Mode

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

◆ *Power consumption*

◆ *Wear of the cathode ray tube*

The Standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

1   Press the **POWER** (⏻) button on the remote control.

Result: The screen is turned off and the Standby indicator on the front of the television lights up in red.

Power Off (Timer On) : LED Green
Power On (Timer On) : LED Green
Power On (Timer Off) : LED Off

2   To switch the television back on, simply press the **POWER** (⏻) button again.
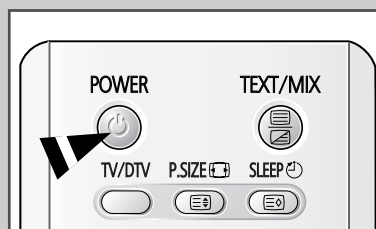
☛   Do not leave your television in Standby mode for long periods of time (when you are away on holiday, for example). Turn your television off by pressing the "⏻" (On/Off) button on the front of the television. It is best to unplug the set from the mains and aerial.

Plug & Play Feature

```
        Plug & Play
```

```
TV              Language
▥
    English        Čeština
◁))
    Deutsch        Srpski
    Français       Русский
▧
    Nederland
    Español
    Italiano
◷
    Sverige
    Português
▦
    Ελληνικά
◆ Move                ▥ Enter
```

```
    Ant. Input Check


◀▶ Move        ▥ Exit
```

```
TV              Auto store
▥
    Country  : Australia
◁))
    Search   : -/+
▧

◷

▦
◆ Move      ◀▶ Adjust    ▥ Return
```

```
TV              Time
▥
    Clock        : -- : --
◁))
    Timer        : Off
▧

◉

▦
◆ Move      ◀▶ Adjust    ▥ Return
```
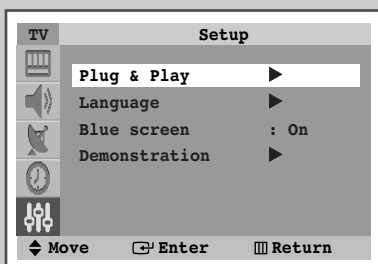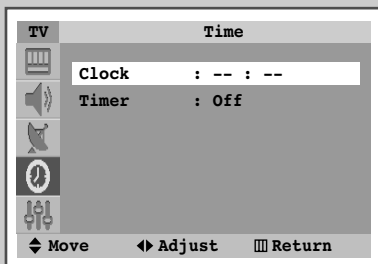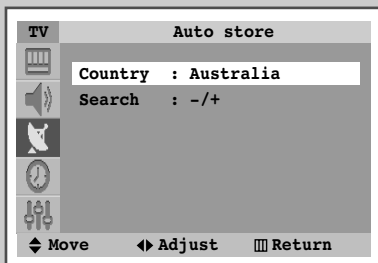
```
            AUTO STORE
PROGRAM
  Guide    Scanning for digital services...
Preference
                                    14%
  Feature    Services found: 6    Channel: 27
  Channel
                  Stop
  System
  ⑦    The channel list is being updated.
       To abort the scan press ENTER.
```

```
TV              Setup
▥
    Plug & Play      ▶
◁))
    Language         ▶
▧
    Blue screen    : On
    Demonstration    ▶
◷

▦
◆ Move      ⏎ Enter    ▥ Return
```

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

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

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

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

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

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

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

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

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

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

➤ Refer to "Storing Channels Automatically" on page 28.

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

➤ Refer to "Setting and Displaying the Current Time" on page 44.

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

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

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

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

1 Press the **MENU** button.

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

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

3 Press the **ENTER** button again.

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

Viewing the Demonstration

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

1   Press the **MENU** button.

   Result: The main menu is displayed.

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

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

3   Press the **ENTER** button.

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

5   Press the **ENTER** button.

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

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

TV	Setup	
	Plug & Play	▶
	Language	▶
	Blue screen	: On
	Demonstration	▶

◆ Move   Enter   Return

Choosing Your Language

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

1   Press the **MENU** button.

   Result: The main menu is displayed.

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

   Result: The options available in the **Setup** group are displayed.
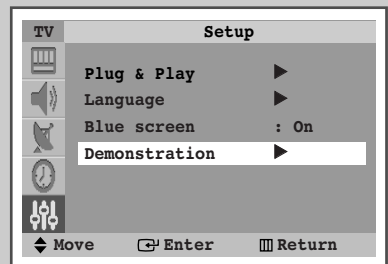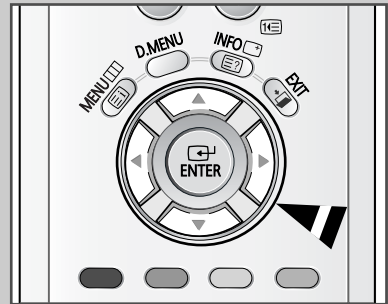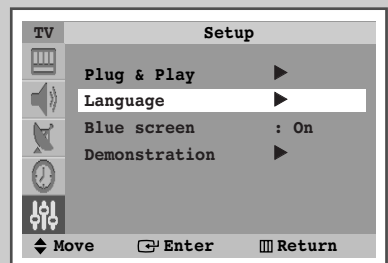
3   Press the **ENTER** button.

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

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

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

   ➢   Language can be selected in Analog mode.

TV	Setup	
	Plug & Play	▶
	Language	▶
	Blue screen	: On
	Demonstration	▶

◆ Move   Enter   Return

TV	Language	
	English	Čeština
	Deutsch	Srpski
	Français	Русский
	Nederland	
	Español	
	Italiano	
	Sverige	
	Português	
	Ελληνικά	

◆ Move   Return

Previewing the DTV Menu System

➢ Available in the Digital TV mode.

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

Press the "D.MENU" button.

Guide
  └→ **Now & Next Guide**

Preference
  ├→ **Subtitle** ─┬→ **On**
  │   └→ **Off**
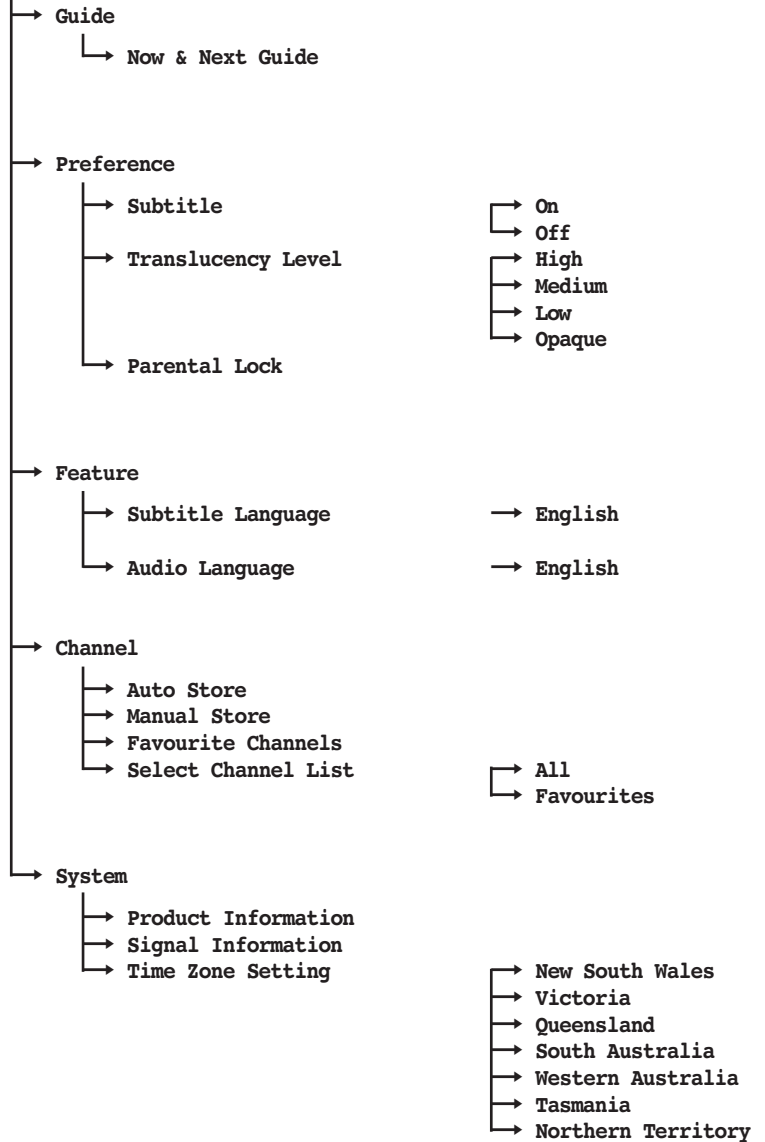 ├→ **Translucency Level** ─┬→ **High**
  │   ├→ **Medium**
  │   ├→ **Low**
  │   └→ **Opaque**
  └→ **Parental Lock**

Feature
  ├→ **Subtitle Language** ─→ **English**
  └→ **Audio Language** ─→ **English**

Channel
  ├→ **Auto Store**
  ├→ **Manual Store**
  ├→ **Favourite Channels**
  └→ **Select Channel List** ─┬→ **All**
                              └→ **Favourites**

System
  ├→ **Product Information**
  ├→ **Signal Information**
  └→ **Time Zone Setting** ─┬→ **New South Wales**
                            ├→ **Victoria**
                            ├→ **Queensland**
                            ├→ **South Australia**
                            ├→ **Western Australia**
                            ├→ **Tasmania**
                            └→ **Northern Territory**

GUIDE

Guide — Now & Next Guide
Preference
Feature
Channel
System
◆ Move   Enter   D.MENU Exit

? To view electronic programme guide options press ENTER.

PREFERENCE

Guide
Preference — Subtitle : Off ▶
Feature — Translucency Level : Medium ▶
Channel — Parental Lock
System
◆ Move   Enter   D.MENU Exit

? To change your preferences press ENTER.

FEATURE

Guide
Preference — Subtitle Language : English ▶
Feature — Audio Language : English ▶
Channel
System
◆ Move   Enter   D.MENU Exit

? To view feature options press ENTER.

CHANNEL

Guide — Auto Store
Preference — Manual Store
Feature — Favourite Channels
Channel — Select Channel List : All ▶
System
◆ Move   Enter   D.MENU Exit

? To change channel settings press ENTER.

SYSTEM

Guide — Product Information
Preference — Signal Information
Feature — Time Zone Setting : New South Wales ▶
Channel
System
◆ Move   Enter   D.MENU Exit

? To view system options press ENTER.

Storing Channels 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** button.

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

CHANNEL

PROGRAM GUIDE	Guide	Auto Store
	Preference	Manual Store
	Feature	Favourite Channels
	Channel	Select Channel List : All ►
	System	

⬍ Move   ↵ Enter   D.MENU Return

⑦ To update your list of channels press ENTER.

AUTO STORE

PROGRAM GUIDE	Guide	Scanning for digital services...
	Preference	▭▭▭▭▭▭▭ 14%
	Feature	Services found: 6 Channel: 27
	Channel	Stop
	System	

⑦ The channel list is being updated.
To abort the scan press ENTER.

Storing Channels 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.

Result: The **Auto Store** is selected.

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

5 Press the **ENTER** button.

Result: The **Manual Store** menu is displayed.

6 Press the ◄ or ► button to select what you want to specify.

◆ *Ch.*

Press the ▲/▼ or number buttons to select a channel.
The available channels are 6 ~ 12 and 27 ~ 69.

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

◆ *Frequency*

You can specify the frequency (KHz) using the number buttons. Incase you don't know the exact frequency, follow the above step to select the frequency automatically using channel.

◆ *Bandwidth*

Press the ▲/▼ or number buttons to select a Bandwidth.
The available channels are 6, 7 and 8 MHz.
Bandwidth in Australia is 7MHz.

7 Press the Red button to start channel search.

Result: When it has finished, a confirmation message is displayed asking whether to add the results of the search into the Channels List. Select "Yes" to add the results into the Channels List or select "No" if you choose not to add them, then press the ENTER button.

Editing Your Favourite Channels

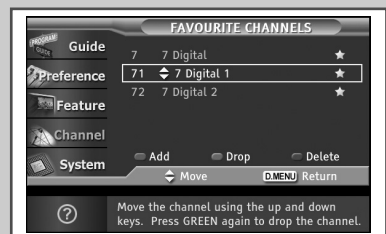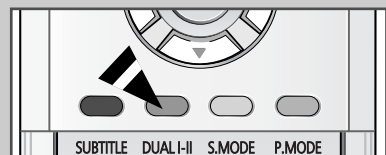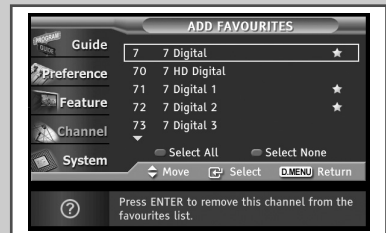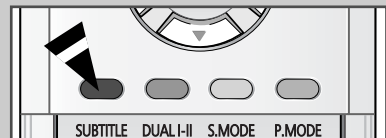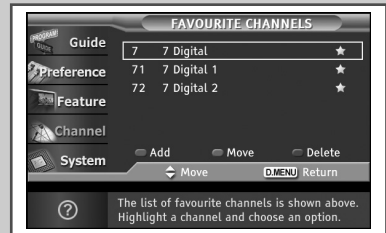*You can edit your favourite channels using the three colour buttons.*

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

     <u>Result</u>:   The DTV menu is displayed.

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

     <u>Result</u>:   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.

     <u>Result</u>:   The **Favourite Channels** menu is displayed.

◆   *Add*

1   Press the **Red** button in the **Favourite Channels** menu.

     <u>Result</u>:   The **ADD FAVOURITES** menu is displayed.

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

3   Press the **ENTER** button.

     <u>Result</u>:   A "★" icon is shown next to the selected channel and the channel will be added to the favourite channel list.

   ➢   ◆   To undo, press the **ENTER** button again.

        ◆   To add all channels to the favourite channel list, press the **Red** button.

        ◆   To remove all channels, press the **Green** button.

◆   *Move*

1   In the **Favourite Channels** menu, select the required channel using the ▲ or ▼ button.

2   Press the **Green** button.

     <u>Result</u>:   A "◆" icon is displayed on the left side of the channel name.

3   Press the ▲ or ▼ button to select the channel that you want to move, and press the **Green** or **ENTER** button.

     <u>Result</u>:   The channel is moved to its new position.

Editing Your Favourite Channels (continued)

FAVOURITE CHANNELS

Guide	7	7 Digital	★
Preference	72	7 Digital 2	★
Feature			
Channel			
System	⊂ Add ⊂ Move ⊂ Delete		

↕ Move   D.MENU Return

The list of favourite channels is shown above.
Highlight a channel and choose an option.
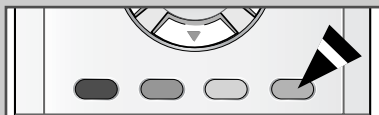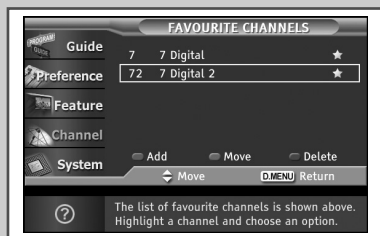
◆ *Delete*

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 in to the favourite channel list, see 'Add' on page 15.

Selecting Channel Lists

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

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

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

3	Press the **ENTER** button.

4	Press the ▲ or ▼ button to select (highlight) **Select Channel List**. Press the **ENTER** button.

5	Select **All** or **Favourites** using the ▲ or ▼ button, and press the **ENTER** button.
	Result: The selected option is stored and the preset/default channel list in the EPG menu and channel list will be displayed.

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

➤ The **EPG** (**E**lectronic **P**rogramme **G**uide) information is provided by the broadcasters. Programme entries may appear blank or out of date as result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

◆ **Now & Next Guide**

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

1	Press the **D.MENU** button.
	Result: The options available in the **Guide** group are displayed.

2	Press the **ENTER** button.
	Result: The **Now & Next Guide** is selected.

3	Press the **ENTER** button again.
	Result: The **Guide** menu is displayed.

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

4	To	Then
	Display the **Now & Next Guide**	◆ Select a programme of your choice by pressing the ▲, ▼, ◄, or ► button.
	Display the **Favourites** and the **All Channels** list	◆ Press the **Green** button. ◆ Press the **Green** button again to toggle between the **Favourites** and the **All Channels** list.
	View Categories	◆ Press the **Yellow** button.
	Exit the guide	◆ Press the **Blue** button.
	Watch a programme in the EPG list	◆ Select a programme by pressing the ▲ or ▼ button. ◆ Press the **ENTER** button.
	View programme information	◆ Select a programme of your choice by pressing the ▲ or ▼ button. ◆ Press the **INFO** button when the programme of your choice is highlighted.

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

◆ Five channels are displayed. To scroll between channels, move to a channel using the ▲ or ▼ button. To display page by page, use the **P⌃** or **P⌄** button.

English - 19
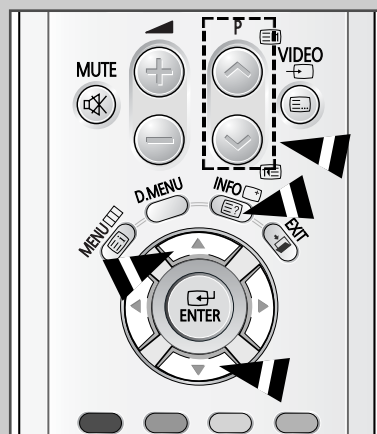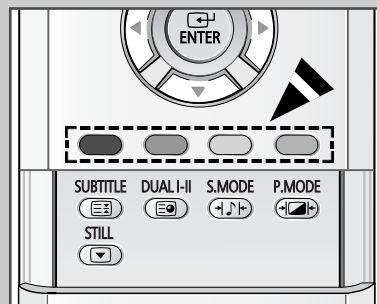
Viewing All Channels and Favourite Channels

In the EPG menu, you can display all channels or favourite channels.
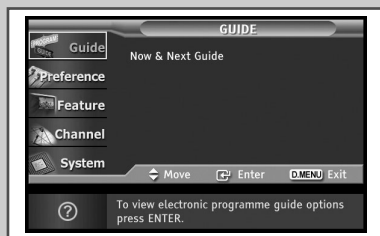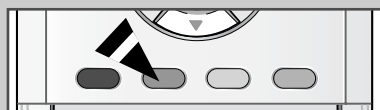
1	Press the **D.MENU** button.
	Result: The options available in the **Guide** group are displayed.
2	Press the **ENTER** button.
3	Press the **ENTER** button.
	Result: The **Guide** menu is displayed.
4	Press the **Green** button.
	Result: The "**❶**" icon for all channels and the "★" icon for favourite channels is displayed in the top right corner of the screen.
	➢ To toggle between the all and favourite channels list, press the **Green** button again.
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: 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 15~16 for more details.
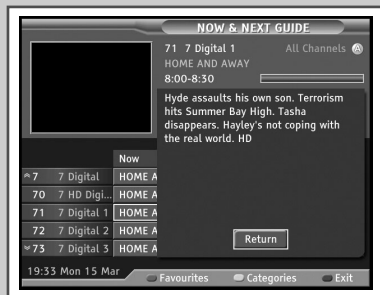
➢ ◆ **All Channels** is the list of channels that have been scanned by the channel list update. All channels are displayed in the all channel mode.

◆ **Favourites** (favourite channels) is the list of channels that has been set in the **Favourite Channels** menu (refer to page 15~16).

Viewing Channel Lists

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

1   Press the **CH LIST** button.

Result: The channel list is displayed. Channels are displayed in groups by frequency range.

2   Move to the channel of your choice by pressing the ▲ or ▼ button.

3   To toggle between your favourite channels or all channels, use the ◄ or ► button.

➢   Your favourite channels are only displayed if they were previously set in the **Favourite Channels** menu (refer to page 15~16).

4   To tune to the selected channel, press the **ENTER** button while the cursor is on the selected channel.

➢   The channel number, name and an icon are displayed in the top left corner while changing the channel. The channel number and name are displayed if the channel is one of the all channels, and a "★" icon if the channel is one of the favourite channels.

**5**   To exit from the channel list, press the **EXIT** button.
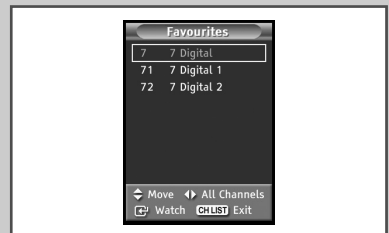
Displaying Programme Information

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

1   While viewing a programme, press the **INFO** button.

Result: The programme information is displayed.

➢   The information displayed on the bottom left side shows:

- Parental Rating
- Video Type: SD, HD, Radio
- Audio Type: MPEG, Dolby-AC3
- Existence of Teletext or DVB Subtitle

2   To exit from banner information, press the **EXIT** button.
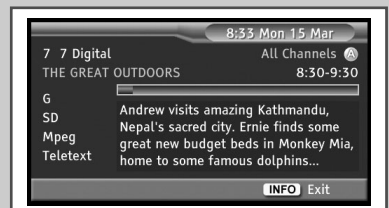
Selecting Category Colours
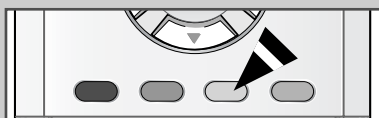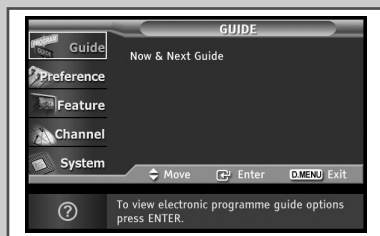
You can change the colours for Categories.

1	Press the **D.MENU** button.
	Result: The options available in the **Guide** group are displayed.
2	Press the **ENTER** button.
3	Press the **ENTER** button.
	Result: The **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 to change the setting.

Using the Preferences

You can use various settings to suit your personal preferences.

◆ *Activating/deactivating the Subtitle*

◆ *Adjusting the Translucency Level*

◆ *Adjusting the Parental Rating*

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

<u>Result</u>: The DTV menu is displayed.

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

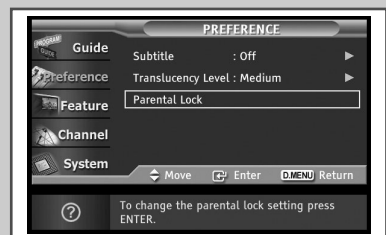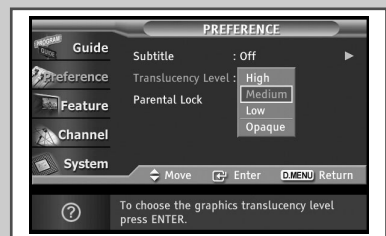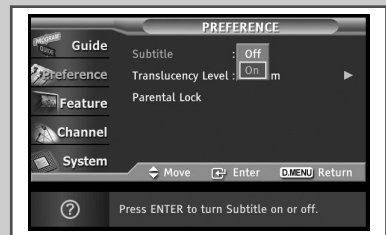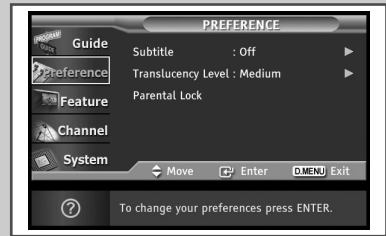<u>Result</u>: The options available in the **Preference** group are displayed.

3 Press the **ENTER** button.

4 Select your required menu (**Subtitle**, **Translucency Level**, or **Parental Lock**) by pressing the ▲ or ▼ button, and press the **ENTER** button.
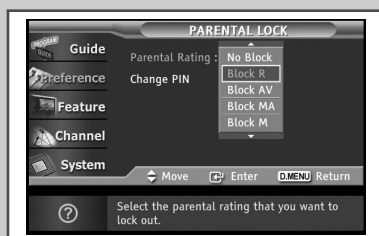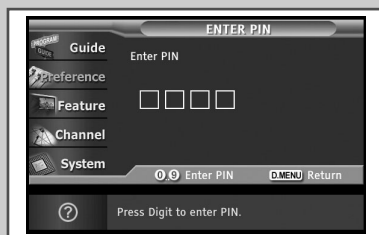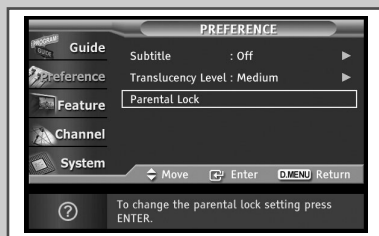
<u>Result</u>: The options of the selected menu available are displayed.

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

◆ **Subtitle : On** or **Off**

◆ **Translucency Level : High**, **Medium**, **Low** or **Opaque**
Controls the amount of the TV picture that is visible through the menu.

◆ **Parental Lock**
You can set the Parental Rating and PIN number. (refer to page 24)

Selecting the Parental Rating

Setting the Parental Rating limits access to programmes according to the Parental Rating.

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**.

5	Press the **ENTER** button.
	Result: The **Enter PIN** menu is displayed.

6	Enter your PIN number using the number buttons.
	Result: The **Parental Lock** menu is displayed.
	➢ The default PIN number is "**0000**". Change the PIN number using the following steps.

7	Press the ▲ or ▼ button to select **Parental Rating** or **Change PIN**.

◆ *Parental Rating*

1	Press the **ENTER** button.
	Result: The **Parental Rating List** is displayed.

2	Select your required **Parental Rating** by pressing the ▲ or ▼ button, and press the **ENTER** button.
	◆ The Australian Parental Guide Code is shown below:
	R: Restricted **M**: Mature
	AV: Adult **PG**: Parental Guidance Recommended
	MA: Mature Adult **G**: General
	◆ Programmes having the selected Parental Rating or higher are blocked.

◆ *Change PIN*

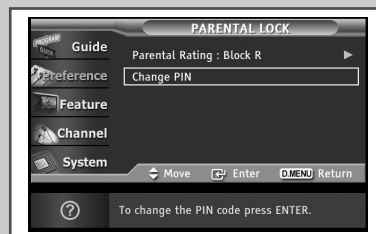**1** Press the **ENTER** button.

Result: The **Change PIN** menu is displayed.

2 Set your new PIN number using the number buttons. The PIN number is used to release blocked programmes and to enter the Parental Lock Menu.

Enter New Pin: Enter your new PIN number.

Confirm New Pin: Re-enter the same PIN number to confirm the PIN number.

➢ A programme rated above your Parental Rating setting will be blocked and the message "**Parental Lock**" is displayed. To watch the programme, press the **ENTER** button and then enter your PIN number.

➢ If you don't remember the PIN number you selected, reset the PIN number to '0000' by pressing the following keys in order in standby mode.
"MUTE → 8 → 2 → 4 → POWER"

PARENTAL LOCK	
Guide	Parental Rating : Block R ►
Preference	Change PIN
Feature	
Channel	
System	◆ Move Enter D.MENU Return
?	To change the PIN code press ENTER.

CHANGE PIN	
Guide	Enter New PIN
Preference	
Feature	☐ ☐ ☐ ☐
Channel	
System	0~9 Enter PIN D.MENU Return
?	Enter the new PIN you want to set.

This Channel is blocked by Parental Lock. Please enter PIN to unlock.
Current parental guide code : G
OK

This Channel is blocked by Parental Lock. Please enter PIN to unlock.
Current parental guide code : G
☐ ☐ ☐ ☐
0~9 Enter PIN

Selecting the Preferred Language (Subtitle or Audio)

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

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

Result: The DTV menu is displayed.

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

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

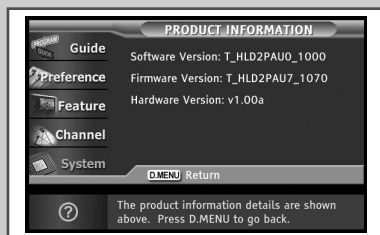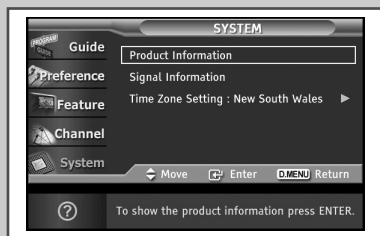**3** Press the **ENTER** button.

4 Select your required menu (**Subtitle Language** or **Audio Language**) by pressing the ▲ or ▼ button, and press the **ENTER** button.

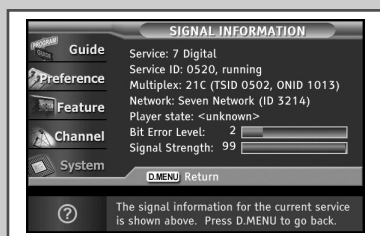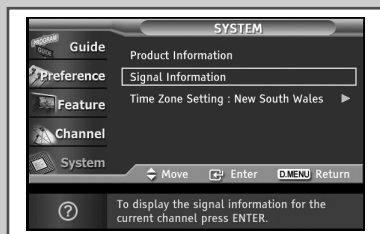Result: The options of the selected menu available are displayed. Only English is currently available.

FEATURE	
Guide	Subtitle Language : English
Preference	Audio Language : English ►
Feature	
Channel	
System	◆ Move Enter D.MENU Return
?	Subtitle language is English.

FEATURE	
Guide	Subtitle Language : English ►
Preference	Audio Language : English
Feature	
Channel	
System	◆ Move Enter D.MENU Return
?	Audio language is English.

Viewing Product Information

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

SYSTEM

Guide

Preference Product Information

Feature Signal Information

Channel Time Zone Setting : New South Wales ▶

System

◆ Move ⊡ Enter D.MENU Return

? To show the product information press ENTER.

| **1** | Press the **D.MENU** button. |
| | <u>Result</u>: The DTV menu is displayed. |

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

PRODUCT INFORMATION

Guide

Preference Software Version: T_HLD2PAU0_1000

Feature Firmware Version: T_HLD2PAU7_1070

Channel Hardware Version: v1.00a

System

D.MENU Return

? The product information details are shown above. Press D.MENU to go back.

| **3** | Press the **ENTER** button. |
| | <u>Result</u>: The **Product Information** menu is selected. |

4	Press the **ENTER** button again.
	<u>Result</u>: The product information is displayed as below.
	– **Software Version**
	– **Firmware Version**
	– **Hardware Version**

Checking the Signal Information

You can get information about the signal status.

SYSTEM

Guide

Preference Product Information

Feature Signal Information

Channel Time Zone Setting : New South Wales ▶

System

◆ Move ⊡ Enter D.MENU Return

? To display the signal information for the current channel press ENTER.

| **1** | Press the **D.MENU** button. |
| | <u>Result</u>: The DTV menu is displayed. |

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

SIGNAL INFORMATION

Guide Service: 7 Digital

Preference Service ID: 0520, running
Multiplex: 21C (TSID 0502, ONID 1013)

Feature Network: Seven Network (ID 3214)
Player state: <unknown>

Channel Bit Error Level: 2
Signal Strength: 99

System

D.MENU Return

? The signal information for the current service is shown above. Press D.MENU to go back.

| **3** | Press the **ENTER** button. |

| **4** | Press the ▲ or ▼ button to select **Signal Information**, and press the **ENTER** button. |
| | <u>Result</u>: The technical information for signal status is displayed. |

➤ If the signal is poor, the "**No signal**" message is displayed.

Setting the Time Zone

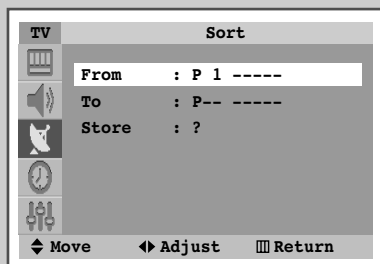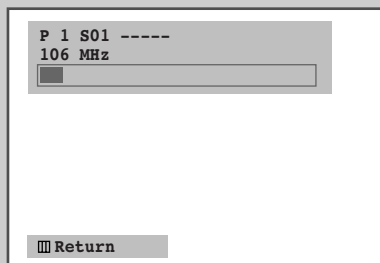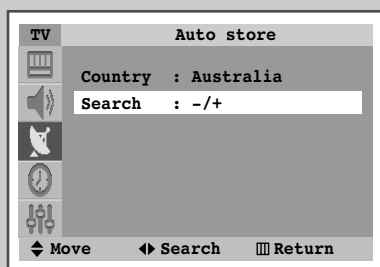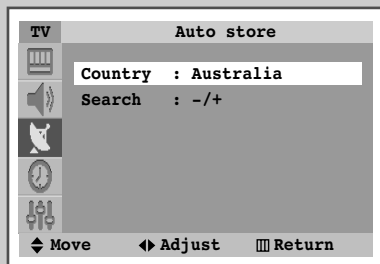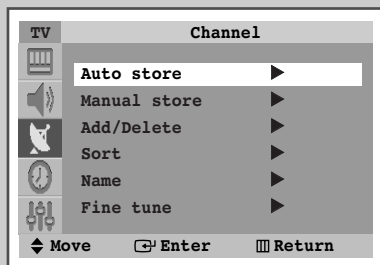*Select your place of residence to set the exact time.*

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 **Time Zone Setting**, and press the ENTER button.

Result: The Australian Time Zone List is displayed.

5 Select your place of residence in the Time Zone List, then press the **ENTER** button.

➢ You can check the current time in the Programme Information or in the Guide Menu. Time data is automatically adjusted according to the selected Time Zone.
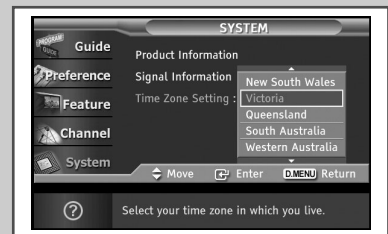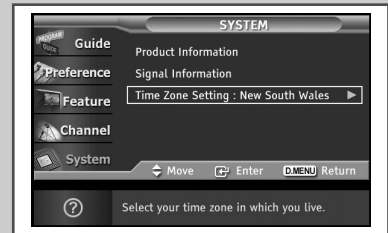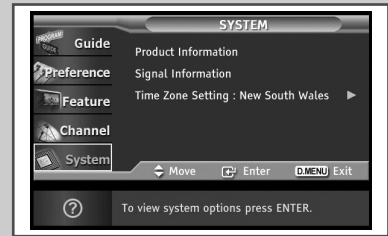
Storing Channels Automatically

➢ Available in Analog TV mode.

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

```
TV              Channel
▥
     Auto store        ▶
◀⟩)  Manual store      ▶
     Add/Delete        ▶
◥    Sort              ▶
◔    Name              ▶
▦    Fine tune         ▶
◆ Move    ⊕ Enter    ▦ Return
```

1 Press the **MENU** button.

<u>Result</u>: The main menu is displayed.

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

<u>Result</u>: The options available in the **Channel** group are displayed.

```
TV            Auto store
▥
     Country  : Australia
◀⟩)  Search   : -/+
◥
◔
▦
◆ Move    ◀▶ Adjust    ▦ Return
```

3 Press the **ENTER** button.

<u>Result</u>: The **Auto store** is selected.

4 Press the **ENTER** button again.

<u>Result</u>: The options available in the **Auto store** group are displayed with **Country** is selected.

5 Select your country by pressing the ◀ or ▶ button. The countries are displayed in the following order: **Australia - Belgie - Deutschland - España - France - Italia - Nederland - Schweiz - Sverige - UK - East europe - Others**.

```
TV            Auto store
▥
     Country  : Australia
◀⟩)  Search   : -/+
◥
◔
▦
◆ Move    ◀▶ Search    ▦ Return
```

6 Press the ▲ or ▼ button to select **Search**.

7 Press the ◀ or ▶ button to start the search.

<u>Result</u>: 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.

```
P 1 S01 -----
106 MHz
▮
▦ Return
```

8 When searching and storing are complete, the **Sort** menu is displayed.

◆ To sort the stored channels into the desired numerical order, go to Step **6** of the "Sorting the Stored Channels" procedure on page 29.

◆ To exit from the channel store function without sorting the channels, press the **MENU** button repeatedly until the menus disappear.

```
TV              Sort
▥
     From    : P 1 -----
◀⟩)  To      : P-- -----
     Store   : ?
◥
◔
▦
◆ Move    ◀▶ Adjust    ▦ Return
```

9 When the channels have been stored, you can:

◆ Sort them in the order required (refer to page 29)
◆ Clear a channel (refer to page 32)
◆ Assign a name to the stored channels (refer to page 33)
◆ Fine tune channel reception if necessary (refer to page 34)
◆ Activate the Digital Noise Reduction feature (refer to page 37)

Sorting the Stored Channels

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

1   Press the **MENU** button.

Result: The main menu is displayed.

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

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

3   Press the **ENTER** button.

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

5   Press the **ENTER** button.

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

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

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

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

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

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

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

```
TV              Channel
▦
◀))  Auto store          ▶
     Manual store        ▶
     Add/Delete          ▶
     Sort                ▶
🕐   Name                ▶
╟╫   Fine tune           ▶
◆ Move   ⏎ Enter    ▥ Return
```

```
TV               Sort
▦
     From    : P 1 -----
◀))  To      : P-- -----
     Store   : ?
🕐
╟╫
◆ Move    ◀▶ Adjust    ▥ Return
```

```
TV               Sort
▦
     From    : P 1 -----
◀))  To      : P 3 -----
     Store   : ?
🕐
╟╫
◆ Move    ◀▶ Adjust    ▥ Return
```

```
TV               Sort
▦
     From    : P 3 -----
◀))  To      : P 1 -----
     Store   : OK
🕐
╟╫
◆ Move    ◀▶ Adjust    ▥ Return
```
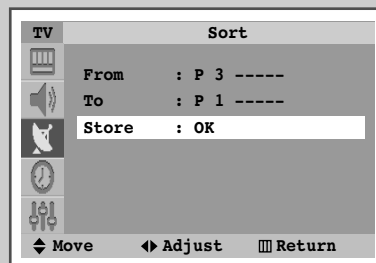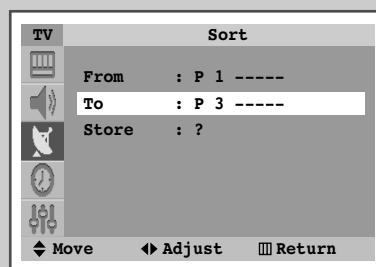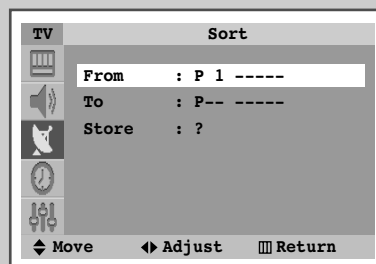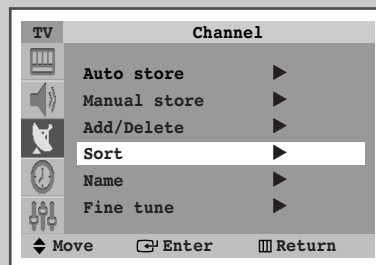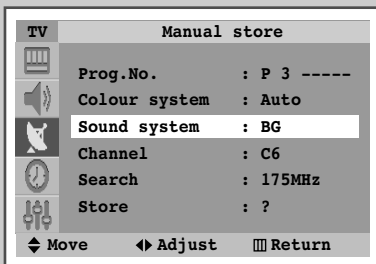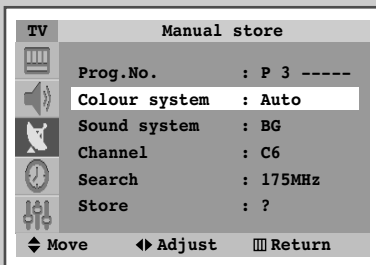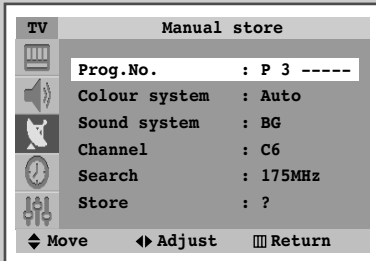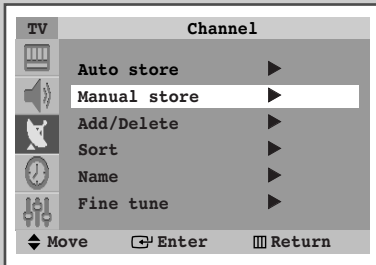
Storing Channels Manually

➤ Available in Analog TV mode.

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

When storing channels manually, you can choose:

◆ *Whether or not to store each of the channels found*

◆ *The programme number of each stored channel which you wish to identify*

```
TV              Channel
▥
      Auto store          ▶
◁»    Manual store        ▶
▨     Add/Delete          ▶
      Sort                ▶
🕐    Name                ▶
🎚    Fine tune           ▶
◆ Move    ⏎ Enter    ▥ Return
```

```
TV            Manual store
▥
      Prog.No.      : P 3 -----
◁»    Colour system : Auto
▨     Sound system  : BG
      Channel       : C6
🕐    Search        : 175MHz
🎚    Store         : ?
◆ Move    ◀▶ Adjust    ▥ Return
```

```
TV            Manual store
▥
      Prog.No.      : P 3 -----
◁»    Colour system : Auto
▨     Sound system  : BG
      Channel       : C6
🕐    Search        : 175MHz
🎚    Store         : ?
◆ Move    ◀▶ Adjust    ▥ Return
```

```
TV            Manual store
▥
      Prog.No.      : P 3 -----
◁»    Colour system : Auto
▨     Sound system  : BG
      Channel       : C6
🕐    Search        : 175MHz
🎚    Store         : ?
◆ Move    ◀▶ Adjust    ▥ Return
```

1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

3 Press the **ENTER** button.

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

5 Press the **ENTER** button.

Result: The options available in the **Manual store** group are displayed with **Prog.No.** is selected.

6 To assign a programme number to a channel, press the ◀ or ▶ button.

7 Press the ▲ or ▼ button to select **Colour system**. Indicate the broadcasting standard required by pressing the ◀ or ▶ button repeatedly.

Result: The colour standards are displayed in the following order:
**Auto – PAL – SECAM – NT4.43**.

8 Press the ▲ or ▼ button to select **Sound system**. Select the sound standard required by pressing the ◀ or ▶ button repeatedly.

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

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

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

    ◆ Press the ◄ or ► button.

    ◆ Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).

    ◆ Press the ◄ or ► button.

    ◆ Press the ▲ or ▼ button to select indicate the required number.

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

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

TV	Manual store	
	Prog.No.	: P 3 -----
	Colour system	: Auto
	Sound system	: BG
	Channel	**: C6**
	Search	: 175MHz
	Store	: ?
◆ Adjust	◆► Move	▥ Return

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

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

TV	Manual store	
	Prog.No.	: P 3 -----
	Colour system	: Auto
	Sound system	: BG
	Channel	: C6
	Search	**: 175MHz**
	Store	: ?
◆ Move	◆► Search	▥ Return

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

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

TV	Manual store	
	Prog.No.	: P 3 -----
	Colour system	: Auto
	Sound system	: BG
	Channel	: C6
	Search	: 175MHz
	Store	**: OK**
◆ Move	◆► Adjust	▥ Return

☛ *Channel mode*

    ◆ **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P0 to max P99. You can select a channel by entering the position number in this mode.

    ◆ **C** (Real channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.

    ◆ **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.
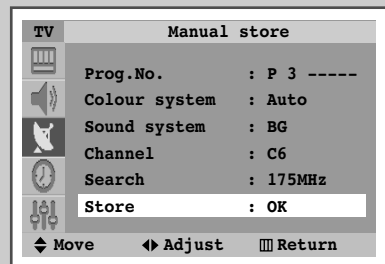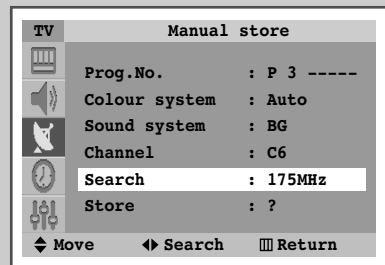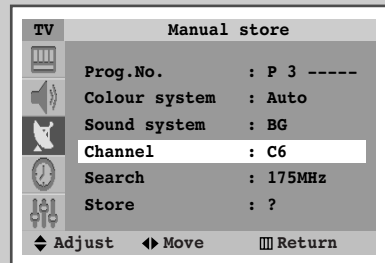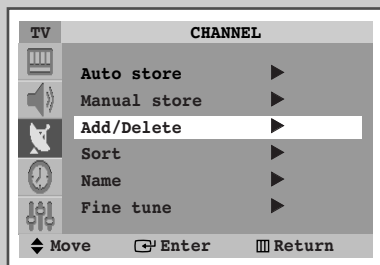
Skipping Unwanted Channels

➣ Available in Analog TV mode.

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

All of the channels that you do not specifically choose to skip are displayed during scanning.
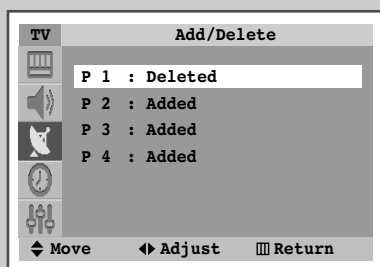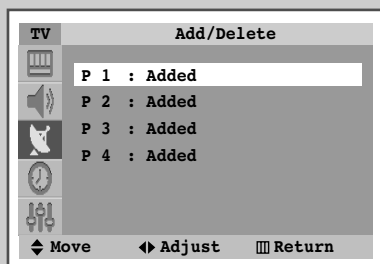
```
TV              CHANNEL
▭
       Auto store      ▶
◀))    Manual store    ▶
       Add/Delete      ▶
       Sort            ▶
🕓     Name            ▶
       Fine tune       ▶
🎚
◆ Move    ⏎ Enter    ▥ Return
```

```
TV            Add/Delete
▭
       P 1 : Added
◀))    P 2 : Added
       P 3 : Added
       P 4 : Added
🕓
🎚
◆ Move    ◀▶ Adjust    ▥ Return
```

```
TV            Add/Delete
▭
       P 1 : Deleted
◀))    P 2 : Added
       P 3 : Added
       P 4 : Added
🕓
🎚
◆ Move    ◀▶ Adjust    ▥ Return
```

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**.

5 Press the **ENTER** button.

Result: The stored channels are displayed.

6 Press the ▲ or ▼ button to select the channel to add or delete. If necessary, select **Added** or **Deleted** by pressing the ◀ or ▶ button.

7 Repeat Step **6** for each channel to be added or deleted.

Assigning Names to Channels

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

1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

3 Press the **ENTER** button.

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

5 Press the **ENTER** button.

Result: The current channels are displayed.

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

7 Press the ◀ or ▶ button.

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

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

```
TV              Channel
▦
◁》  Auto store        ▶
     Manual store      ▶
▨    Add/Delete        ▶
◔    Sort              ▶
     Name              ▶
╫    Fine tune         ▶
◆ Move    ⏎ Enter    ▥ Return
```

```
TV               Name
▦
◁》  P 1 : -----
     P 2 : -----
▨    P 3 : -----
◔    P 4 : -----
╫
◆ Move    ◀▶ Adjust    ▥ Return
```

```
TV               Name
▦
◁》  P 1 : A
     P 2 : -----
▨    P 3 : -----
◔    P 4 : -----
╫
◆ Adjust   ◀▶ Move    ▥ Return
```
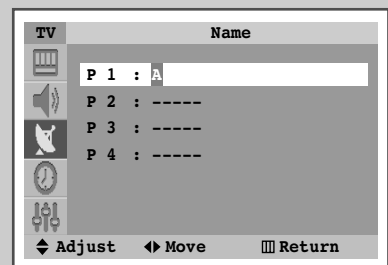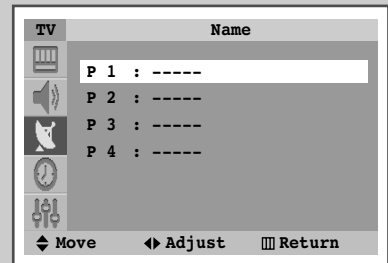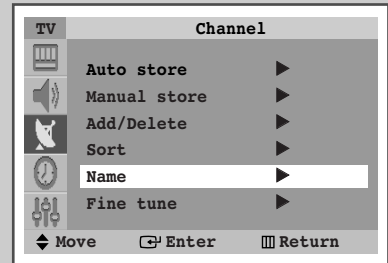
Fine Tuning Channel Reception

➢ Available in Analog TV mode.

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, you may have to fine tune the channel manually.
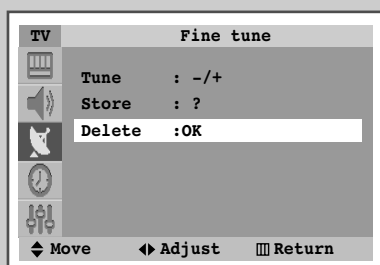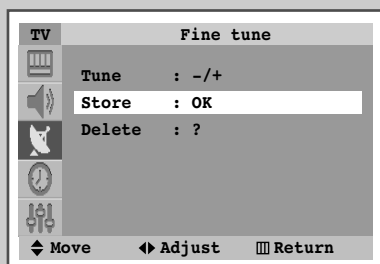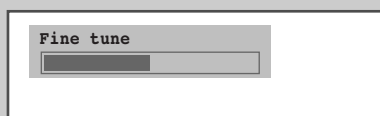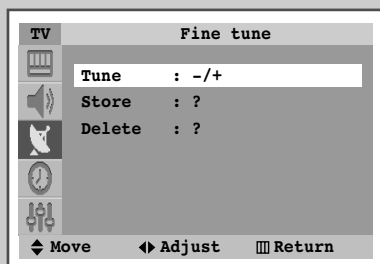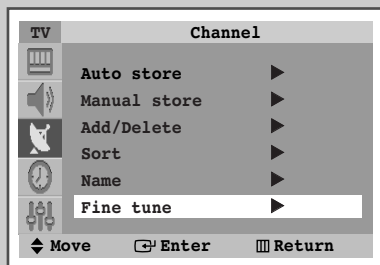
```
TV                Channel
▥
     Auto store        ▶
◀))  Manual store      ▶
▨    Add/Delete        ▶
     Sort              ▶
⊘    Name              ▶
▓    Fine tune         ▶
◆ Move    ⊡ Enter    ▥ Return
```

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.

```
TV               Fine tune
▥
     Tune      : –/+
◀))  Store     : ?
▨    Delete    : ?

⊘
▓
◆ Move    ◀▶ Adjust    ▥ Return
```

3   Press the **ENTER** button.

4   Press the ▲ or ▼ button to select **Fine tune**.

5   Press the **ENTER** button.

   Result: The options available in the **Fine tune** group are displayed with **Tune** is selected.

```
Fine tune
▮▬▬▬▬▬▬▬▬▬
```

6   To obtain a sharp and clear picture and good sound quality, press the ◀ or ▶ button.

   Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◀ or ▶ button.

```
TV               Fine tune
▥
     Tune      : –/+
◀))  Store     : OK
▨    Delete    : ?

⊘
▓
◆ Move    ◀▶ Adjust    ▥ Return
```

7   To memorise adjusted picture or sound, select **Store** by pressing the ▲ or ▼ button. Press the ◀ or ▶ button.

   Result: **OK** is displayed.

8   To delete adjusted picture or sound, select **Delete** by pressing the ▲ or ▼ button. Press the ◀ or ▶ button.

   Result: **OK** is displayed.

```
TV               Fine tune
▥
     Tune      : –/+
◀))  Store     : ?
▨    Delete    :OK

⊘
▓
◆ Move    ◀▶ Adjust    ▥ Return
```

Changing the Picture Standard

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

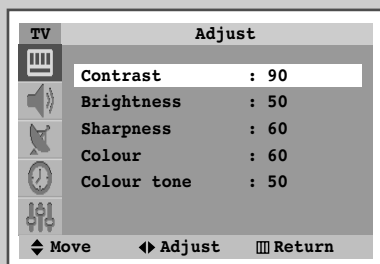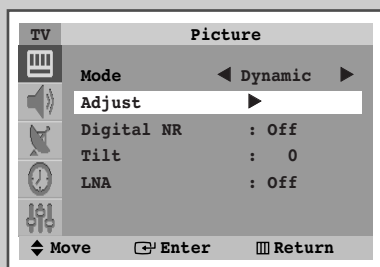|		
1	Press the **MENU** button.	
	Result:	The options available in the **Picture** group are displayed.
2	Press the **ENTER** button.	
	Result:	The **Mode** is selected.
3	Select the required picture effect by pressing the ◄ or ► button repeatedly.	
	Result:	The following picture effects are available: **Dynamic – Standard – Movie – Custom**.

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

```
TV              Picture
┌─┐
│▥│  Mode          ◄ Dynamic  ►
│◀│  Adjust            ►
│  │  Digital NR      : Off
│  │  Tilt            :   0
│⊘│  LNA             : Off
│▤│
◆ Move     ◀▶ Adjust    ▥ Return
```

SUBTITLE   DUAL I-II   S.MODE   P.MODE
STILL
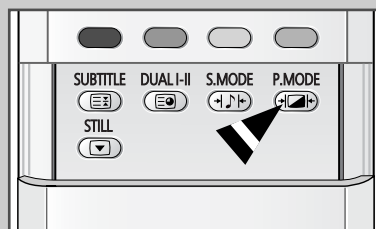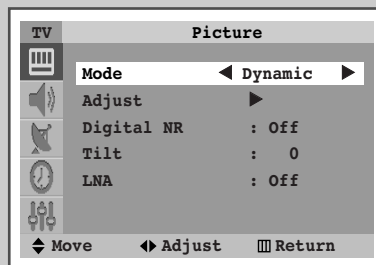
Adjusting the Picture Settings
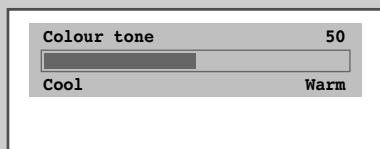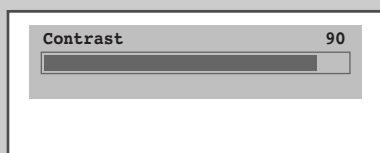
Your television has several settings which allow you to control picture quality.

```
TV              Picture
[icon]
     Mode        ◄ Dynamic ►
[icon]
     Adjust           ►
[icon]
     Digital NR   : Off
     Tilt         :  0
[icon]
     LNA          : Off
[icon]
  ◆ Move   ⊕ Enter   ▥ Return
```

```
TV               Adjust
[icon]
     Contrast      : 90
[icon]
     Brightness    : 50
     Sharpness     : 60
[icon]
     Colour        : 60
     Colour tone   : 50
[icon]

[icon]
  ◆ Move   ◄► Adjust   ▥ Return
```

```
Contrast                    90
[bar]
```

```
Colour tone                 50
[bar]
Cool                      Warm
```

1 Press the **MENU** button.

<u>Result</u>: The options available in the **Picture** group are displayed.

2 Press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Adjust**.

4 Press the **ENTER** button.

<u>Result</u>: The options available in the **Adjust** group are displayed.

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

<u>Result</u>: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◄ or ► button.

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

◆ The television has an "automatic degaussing" system that is activated if magnetic interference is present. To degauss the television screen, switch power off by pressing the "①" (On/Off) button on the front panel. (Refer to "Automatic Degaussing to Remove Colour Patches" on page 52.)

Extra Picture Settings

◆ *Digital NR*

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

◆ *Tilt*

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

◆ *LNA* (**L**ow **N**oise **A**mplifier)

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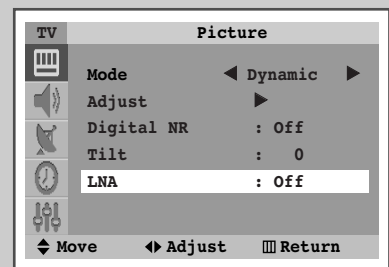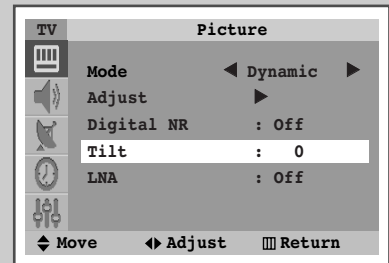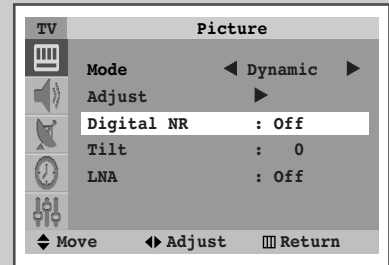
---

1   Press the **MENU** button.

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

---

2   Press the **ENTER** button.

---

3   Select the required option (`Digital NR`, `Tilt` or `LNA`) by pressing
the ▲ or ▼ button.

---

4   Press the ◄ or ► button to change the setting.

   ◆   `Digital NR : Off` or `On` (activating)

   ◆   `Tilt : -7` or `+7`

   ◆   `LNA : Off` or `On` (activating)

TV	Picture		
	Mode	◄ Dynamic	►
	Adjust	►	
	Digital NR	**: Off**	
	Tilt	: 0	
	LNA	: Off	
◆ Move	◀▶ Adjust	▥ Return	

TV	Picture		
	Mode	◄ Dynamic	►
	Adjust	►	
	Digital NR	: Off	
	Tilt	**: 0**	
	LNA	: Off	
◆ Move	◀▶ Adjust	▥ Return	

TV	Picture		
	Mode	◄ Dynamic	►
	Adjust	►	
	Digital NR	: Off	
	Tilt	: 0	
	LNA	**: Off**	
◆ Move	◀▶ Adjust	▥ Return	

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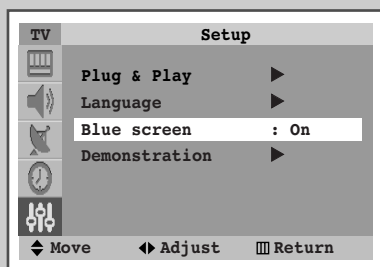
If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background.

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

```
TV              Setup
▤
     Plug & Play        ▶
◀))  Language           ▶
      Blue screen     : On
      Demonstration      ▶
🕧
🎛️
  ◆ Move    ◀▶ Adjust   ▥ Return
```

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

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

3	Press the **ENTER** button.

4	Press the ▲ or ▼ button to select **Blue screen**.

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

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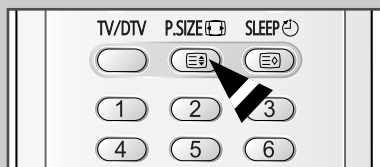
You can select the picture size which best corresponds to your viewing requirements simply by pressing the "P.SIZE" button. The following picture sizes are available:

◆ **TV/AV Mode**
  Auto Wide, 16:9, Panorama, Zoom1, Zoom2, 4:3
  ➤ The **4:3** mode results in gray border area along the sides.

◆ **DTV Mode**
  Auto Wide, 16:9, Panorama, 14:9, Zoom, 4:3
  ➤ The **14:9** and **4:3** modes result in gray border area along the sides.

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 this button again.

Changing the Sound Standard

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

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

   Result: The main menu is displayed.

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

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

3   Press the **ENTER** button.

   Result: The **Mode** is selected.

4   Select the required sound effect by pressing the ◄ or ► button repeatedly.

   Result: The following sound effects are available:
              Custom – Standard. – Music – Movie – Speech(SVE)

              ◆ **SVE : S**AMSUNG **V**oice **E**nhancement Technic

➢ You can also set these options simply by pressing the **S.MODE** (Sound Mode) button.
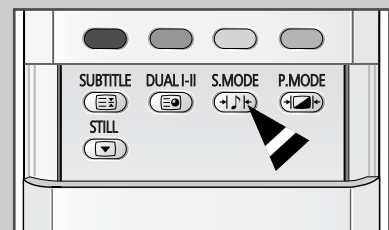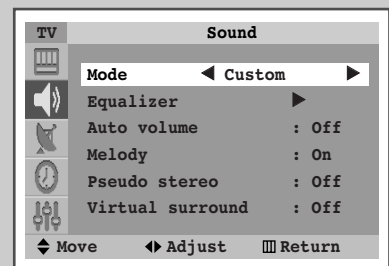
Adjusting the Sound Settings
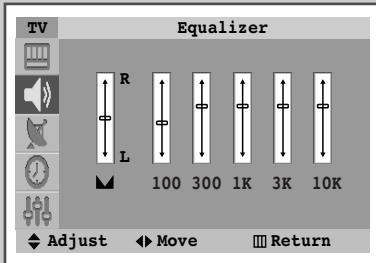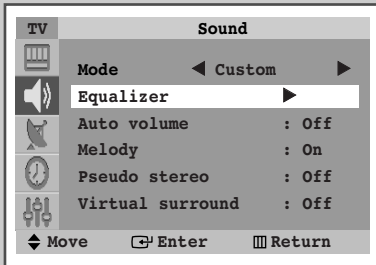
The sound settings can be adjusted to suit your personal preferences.

```
TV              Sound
┌──┐
│▥ │
├──┤   Mode        ◄ Custom  ►
│◀)│   Equalizer           ►
├──┤   Auto volume      : Off
│▧ │   Melody          : On
├──┤   Pseudo stereo    : Off
│◷ │   Virtual surround : Off
├──┤
│▦ │
└──┘
  ◆ Move    ⏎ Enter    ▥ Return
```

```
TV            Equalizer
┌──┐
│▥ │
├──┤      R
│◀)│   ╷  ╷  ╷  ╷  ╷  ╷
├──┤   │  │  │  │  │  │
│▧ │   ╪  │  ╪  ╪  │  ╪
├──┤   │  ╪  │  │  ╪  │
│◷ │   │  │  │  │  │  │
├──┤   ╵  ╵  ╵  ╵  ╵  ╵
│▦ │      L
└──┘   ▶◀  100 300 1K  3K  10K
  ◆ Adjust   ◀▶ Move   ▥ Return
```

1 Press the **MENU** button.

   <u>Result</u>:   The main menu is displayed.

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

   <u>Result</u>:   The options available in the **Sound**. group are displayed.

3 Press the **ENTER** button.

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

5 Press the **ENTER** button.

   <u>Result</u>:   The options available in the **Equalizer** group are displayed.

6 Select the option to be adjusted by pressing the ◄ or ► button. Press the ▲ or ▼ button to reach the required setting.

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

Extra Sound Settings

◆ *Auto volume*

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

◆ *Melody*

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

◆ *Pseudo stereo / Virtual surround*

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

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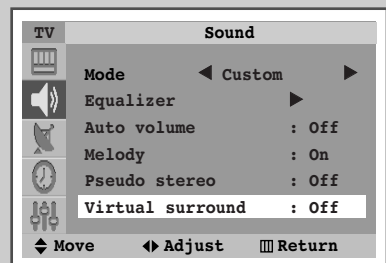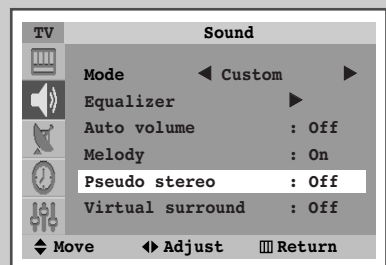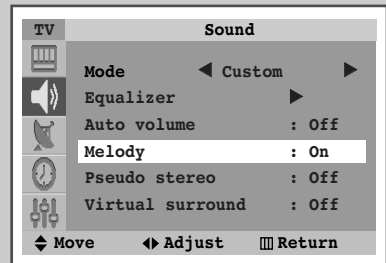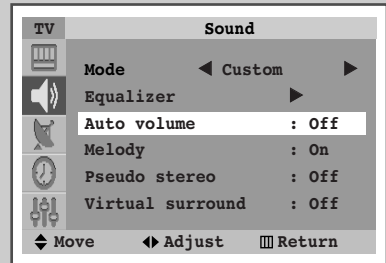
TV **Sound**	

```
TV              Sound
▥
        Mode         ◀ Custom    ▶
◀╣      Equalizer                 ▶
        Auto volume        : Off
▨       Melody             : On
⊘       Pseudo stereo      : Off
▦       Virtual surround   : Off
  ◆ Move      ◀▶ Adjust     ▥ Return
```

---

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.

```
TV              Sound
▥
        Mode         ◀ Custom    ▶
◀╣      Equalizer                 ▶
        Auto volume        : Off
▨       Melody             : On
⊘       Pseudo stereo      : Off
▦       Virtual surround   : Off
  ◆ Move      ◀▶ Adjust     ▥ Return
```

---

3   Press the **ENTER** button.

---

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

```
TV              Sound
▥
        Mode         ◀ Custom    ▶
◀╣      Equalizer                 ▶
        Auto volume        : Off
▨       Melody             : On
⊘       Pseudo stereo      : Off
▦       Virtual surround   : Off
  ◆ Move      ◀▶ Adjust     ▥ Return
```

---

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

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

VIRTUAL
▣▣ DOLBY
S U R R O U N D

```
TV              Sound
▥
        Mode         ◀ Custom    ▶
◀╣      Equalizer                 ▶
        Auto volume        : Off
▨       Melody             : On
⊘       Pseudo stereo      : Off
▦       Virtual surround   : Off
  ◆ Move      ◀▶ Adjust     ▥ Return
```

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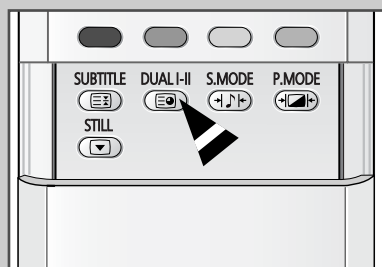
*The "DUAL I-II" button displays/controls the processing and output
of the audio signal. When power is switched on, the mode is
automatically preset to either "Dual-I " or "Stereo", depending on
the current transmission.*

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

➢ ◆ If the receiving conditions deteriorate, listening will be
      easier if the mode is set to the **Mono**.

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

  ◆ When receiving a mono sound in the AV mode, connect
      to the "AUDIO-L" input connector on the panel (front or
      side). If the mono sound comes out only from left
      speaker, press the **DUAL I-II** button.

Setting the Sleep Timer

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

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

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

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

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

3   To cancel the sleep timer feature, press the **SLEEP** button
    repeatedly and select **Off**.
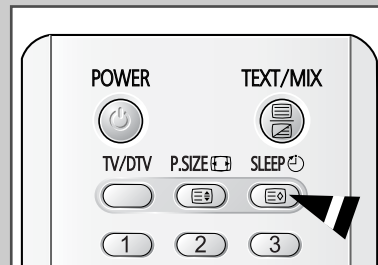
Setting and Displaying the Current Time

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

➤   When pressing the "①" (On/Off) button on the front of the television, the clock setting will be reset.
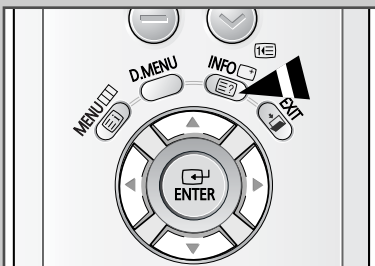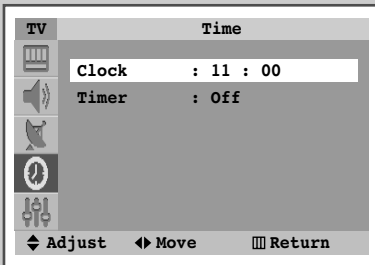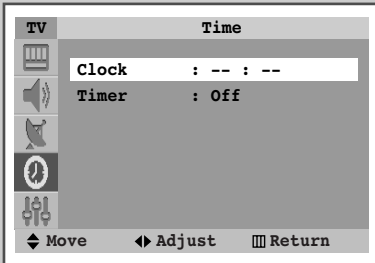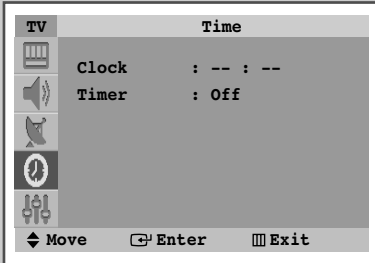
1	Press the **MENU** button.
	<u>Result</u>: The main menu is displayed.

2	Press the ▲ or ▼ button to select **Time**.
	<u>Result</u>: The options available in the **Time** group are displayed.

3	Press the **ENTER** button.
	<u>Result</u>: The **Clock** is selected.

4	Press the ◄ or ► button to move to the hour or minute. Set the hour or minute by pressing the ▲ or ▼ button.

5	When you have finished, press the **EXIT** button to exit.

6

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

➤   Not available in DTV Mode.

Switching the Television On and Off Automatically

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

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

- ◆ *Switch off automatically at the time you select*

➤ The first step is to set the television's clock (refer to "Setting and Displaying the Current Time" on the previous page). If you have not yet set the clock, the message **Set the clock first** is displayed.
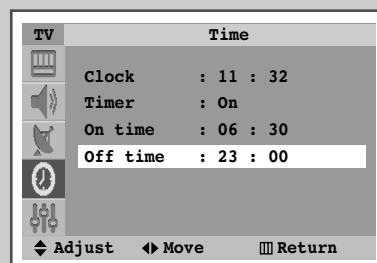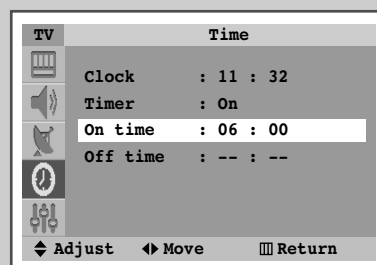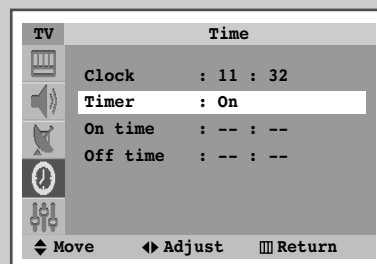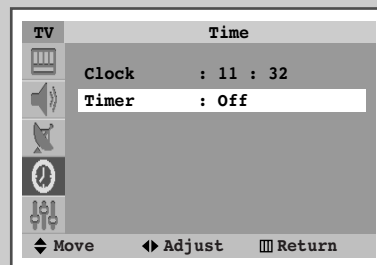
TV	Time	
	Clock	: 11 : 32
	Timer	**: Off**

◆ Move   ◆▶ Adjust   ▥ Return

---

1 Press the **MENU** button.

Result: The main menu is displayed.

---

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

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

---

3 Press the **ENTER** button.

---

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

---

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

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

---

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

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

---

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

TV	Time	
	Clock	: 11 : 32
	Timer	**: On**
	On time	: -- : --
	Off time	: -- : --

◆ Move   ◆▶ Adjust   ▥ Return

TV	Time	
	Clock	: 11 : 32
	Timer	: On
	On time	**: 06 : 00**
	Off time	: -- : --

◆ Adjust   ◆▶ Move   ▥ Return

TV	Time	
	Clock	: 11 : 32
	Timer	: On
	On time	: 06 : 30
	Off time	**: 23 : 00**

◆ Adjust   ◆▶ Move   ▥ Return

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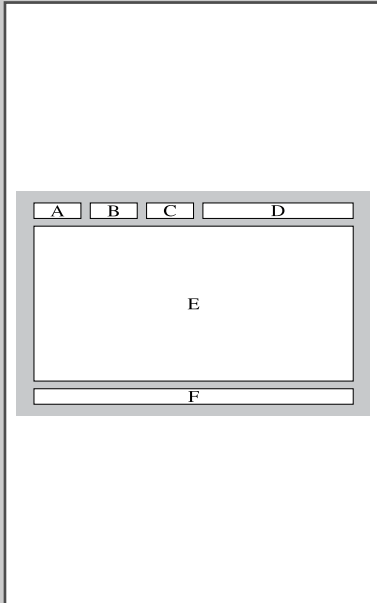
Most television channels provide written information services via teletext. Information provided includes:

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

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

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

➢ It can be different from depending on TTX source.

➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:
   ◆ Entering the page number
   ◆ Selecting a title in a list
   ◆ Selecting a coloured heading (FASTEXT system)

➢ In DTV mode, TTX page 801 is related to Caption Channel.

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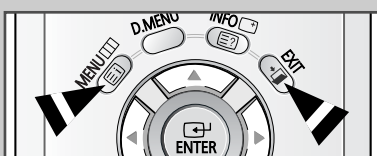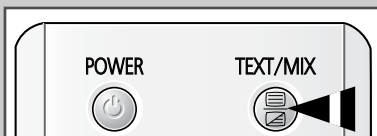
You can display Teletext information at any time on your television.

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

1 Select the channel providing the Teletext service using the P⌃ or P⌄ button.

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

3 If you wish to display the actual broadcast at the same time as the teletext page, press the **TEXT/MIX** button again.

4 Press the **TV** or **EXIT** button to exit from the teletext display.

Selecting a Page by Number

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

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

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

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

Using the various display options:

To display...	Press the...
◆ Both teletext information and the normal broadcast	**TEXT/MIX** twice
◆ Hidden text (answers to quiz games, for example)	▤? (reveal)
◆ The normal screen	▤? (reveal) again
◆ A secondary page, by entering its 4-digit number	▤● (sub-page)
◆ The next page	▤▸ (page up)
◆ The previous page	◂▤ (page down)

◆ Double-size letters in the:
  • Upper half of the screen
  • Lower half of the screen
	▤↕ (size)
	  • Once
	  • Twice

◆ Normal screen	• Three times
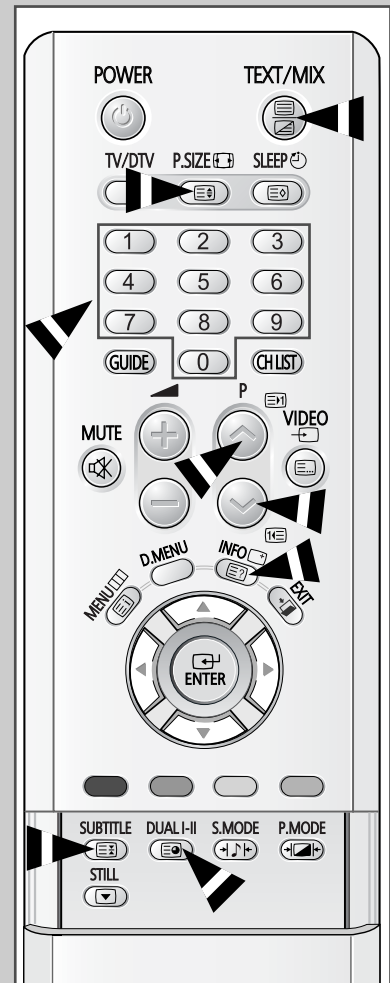
Using FLOF to Select a Page
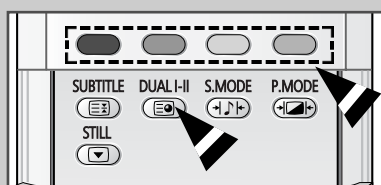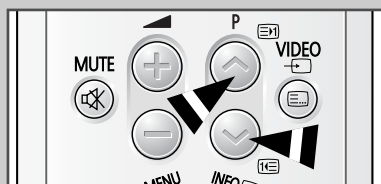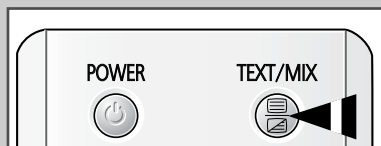
The various topics included in the teletext pages are color-coded, and can be selected by pressing the colored buttons on the remote control.

1 Display the teletext contents page by pressing the **TEXT/MIX** button.

2 Press the coloured button corresponding to the topic that you wish to select;the available topics are given on the status line.

<u>Result</u>: 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.
<u>Result</u>: The available subpages appear.

◆ Select the required sub-page. Sub-pages can be scrolled by using the **Red** or **Green** button.

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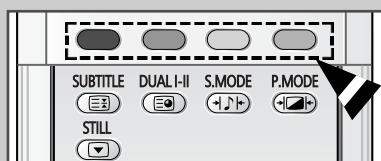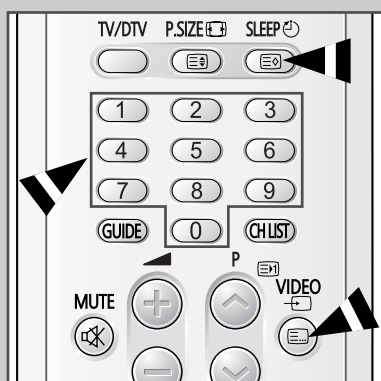
You can store up to four teletext pages to display them later at leisure.

1 Select the LIST mode using the ▤… button.

<u>Result</u>: 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 AV-1 or 2 Input/Outputs

➢ AV-1 or 2 is used for equipment with an RGB output, such as video game devices and video disc players or a VCR.

Rear of the TV

VCR

②

DVD

③

Decoder / Video game device
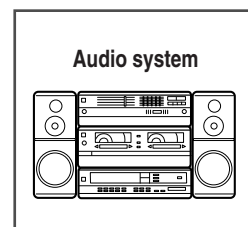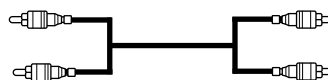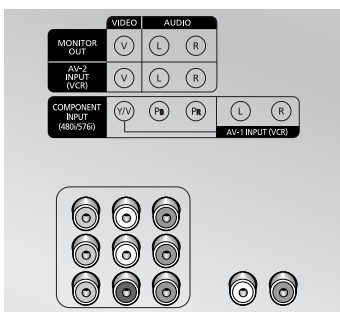
Video disc player

Satellite receiver

④
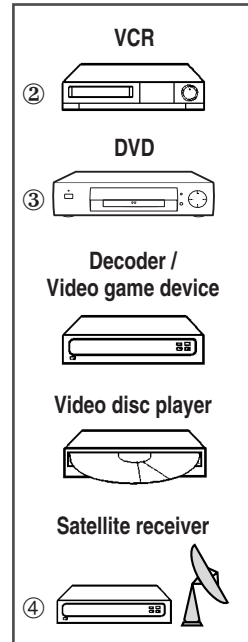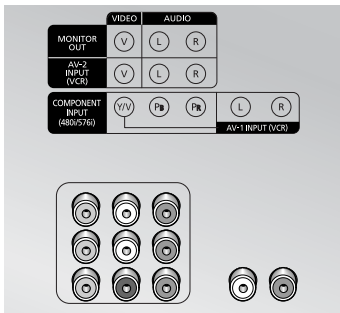
① This end can be fitted with:
  ◆ Three RCA connectors (Video + Audio-L and R)

② If you have a second VCR and wish to copy cassettes tape, connect the source VCR to "AV-1" and the target VCR to "AV-2" so that you can redirect the signal from "AV-1" to "AV-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 "AV-1" and the VCR to "AV-2" so that you can redirect the signal from "AV-1" to "AV-2".

Connecting to the Audio Output

➢ The **"MONITOR AUDIO OUT"** (RCA) connectors are used for equipment, such as an audio system (to take full advantage of the Surround sound effect).
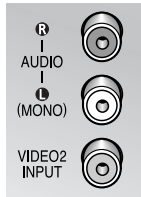
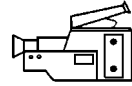### *Rear of the TV*

Audio system

Connecting to the RCA Input

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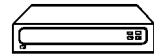
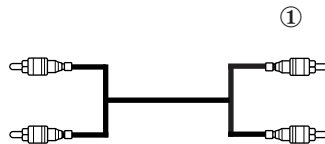*Side of the TV*
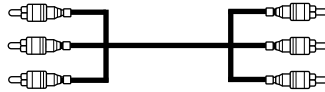
Camcorder

Video game device

Video disc player

Connecting to the S-Video Input

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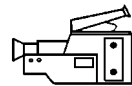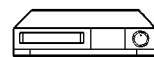
Side of the TV

①

Camcorder

and

VCR

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

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

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

Connecting to the DVD Input

➤ The Component/RCA (AUDIO-L and R) connectors are used for equipment with a DVD output.

__Rear of TV__
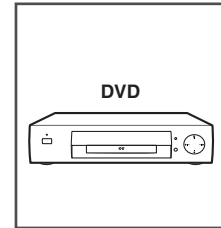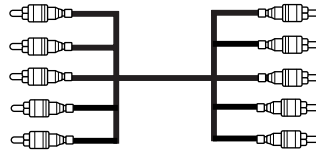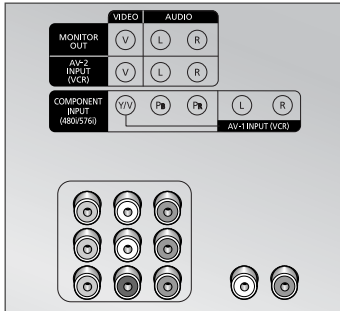
Connecting Headphones

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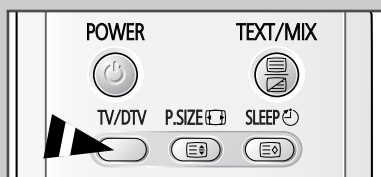
__Side of the TV__

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

  Result: The sound is heard through the headphones.

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

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

Viewing Pictures From External Sources

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

1   Check that all the necessary connections have been made.

2   Switch your television on, then press the **VIDEO** button repeatedly.

    <u>Result</u>:   The input sources are displayed in the following order:
            AV1 − AV2 − S−Video − Component.

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

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

Automatic Degaussing to Remove Colour Patches

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

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

◆   **Switch the television off by pressing the " ⏻ " (On/Off) button on the front panel**

◆   **Unplug the television from the wall socket**

◆   **Leave the television power-off for about 30 minutes so that the automatic degauss function can be activated, and then press the "POWER" (⏻) button on the remote control.**

☞   **If your television will be left unattended, press the " ⏻ " (On/Off) button to turn your television off.**

Troubleshooting: Before Contacting Service Personnel

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

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

No sound or picture	◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the "①" (On/Off) button 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 **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 often occurs due to the use of an indoor aerial.
Remote control malfunctions	◆ Replace the remote control batteries. ◆ Clean the upper edge of the remote control (transmission window). ◆ Check the battery terminals.

Memo

Memo

– 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