SAMSUNG

COLOUR TELEVISION

29A7/29A6/29A200
34A7

Owner's Instructions

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

TELETEXT (OPTION)

PICTURE IN PICTURE (OPTION)

DOLBY SURROUND
PRO · LOGIC

Safety Instructions

These illustrations represent precautions concerning your television.
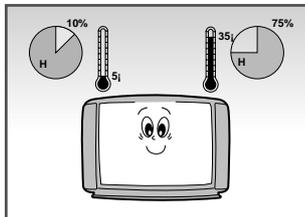
Do NOT expose the television to extreme temperature conditions (below 5°C and above 35°C) or to extreme humidity conditions (less than 10% and more than 75%).
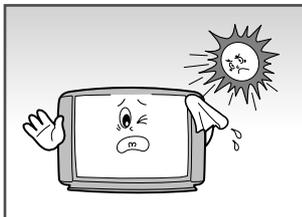
Do NOT expose the television to direct sunlight.
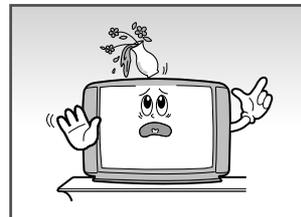
Do NOT expose the television to any liquids.
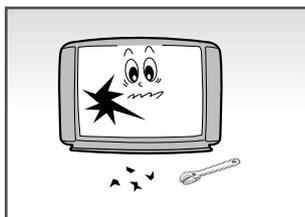
If the television is broken, do not try to repair it yourself. Contact qualified service personnel.
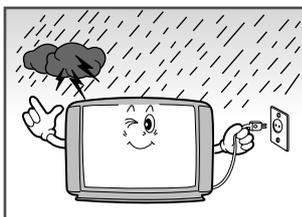
During a storm conditions (especially when there is lightning) unplug the television from the mains socket and aerial.
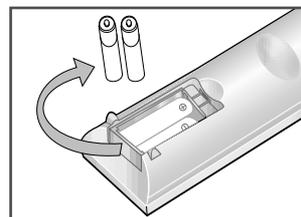
If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.

THIS DEVICE IS NOT FOR USE IN INDUSTRIAL ENVIRONMENTS

➢ Please use a soft and dry cloth (not containing volatile matter) when you clean the TV.

Caution

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

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

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

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

Mode	System
CS	PAL-B/G, D/K, I, SECAM-B/G,D/K, I, NTSC4.43/3.58

*Thank you for buying
a SAMSUNG television.*

*Please take the time to read these
instructions, as they will help you to
operate your television with ease.*

Contents

Contents (cont.)

Symbols

Press	Important	Note

Front Control Panel (depending on the model)

❶ TV/VIDEO SELECTION

❷ ACCESS TO LOCAL MENU

❸ VOLUME ADJUSTMENT

❹ CHANNEL SELECTION

❺ POWER

❻ STAND-BY INDICATOR

❼ REMOTE CONROL SENSOR
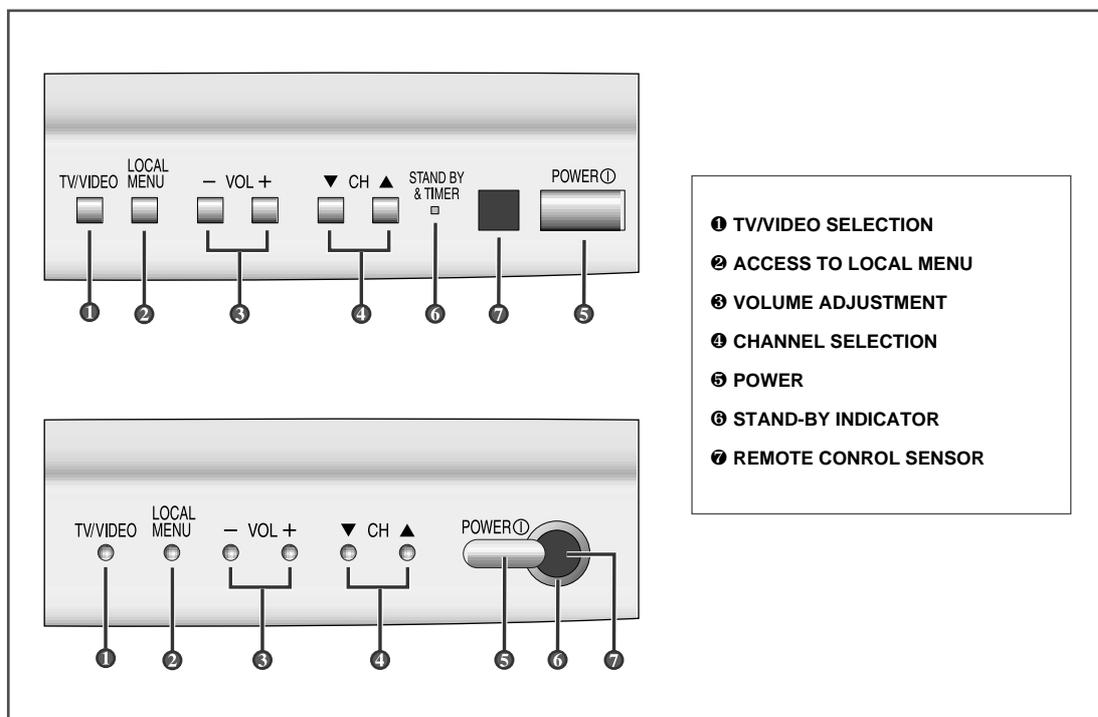
➢ *Using the Buttons on the Front Panel*

If the remote control no longer works or you have lost it, you can use controls on the front panel of the television to:

◆ Switch on the television when it is in Standby mode and select channels (▼ CH ▲)

◆ Access the local menu (**LOCAL MENU**)

◆ Adjust the volume (− **VOL** +)

◆ Switch among Video input modes (**TV/VIDEO**)

Connection Panel

Rear of TV
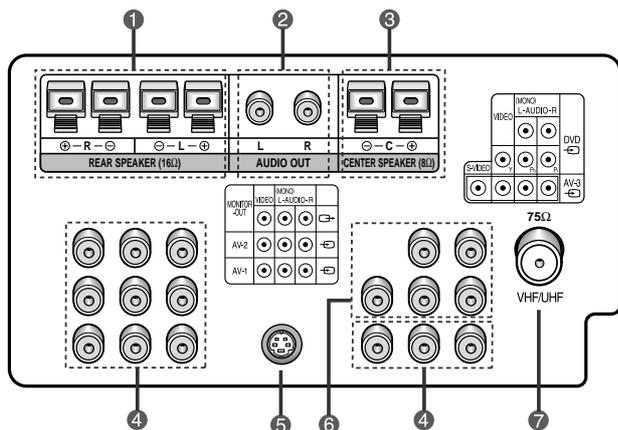
❶ **SPEAKER CONNECTORS**

❷ **RCA AUDIO OUTPUT CONNECTORS**

❸ **CENTER SPEAKER CONNECTORS (OPTION)**

❹ **AUDIO/VIDEO INPUT/OUTPUT CONNECTORS**

❺ **S-VIDEO INPUT CONNECTOR**

❻ **DVD INPUT CONNECTORS**

❼ **75Ω COAXIAL CONNECTOR FOR AERIAL/CABLE NETWORK**

Side of TV
(depending on the model)
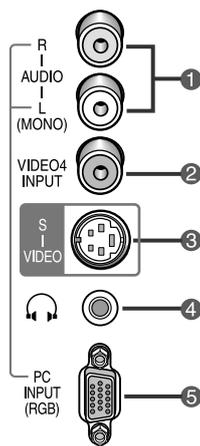
❶ **RCA AUDIO INPUT CONNECTORS**

❷ **RCA VIDEO INPUT CONNECTOR**

❸ **S-VIDEO INPUT CONNECTOR**

❹ **HEADPONE CONNECTOR**

❺ **PC INPUT CONNECTOR (OPTION)**

Infrared Remote Control (depending on the model)

AUTOMATIC SWITCH-OFF

SLEEP

AV-LINK VCR STOP (OPTION)

AV-LINK VCR RECORD (OPTION)

VCR FUNCTIONS;
(STOP/REWIND/PLAY/PAUSE/
FAST-FORWARD)

STOP   REW   PLAY/PAUSE   FF

PIP   SWAP   LOCATE
ON

SIZE   STILL   SCAN   P

MULTI   TV/VIDEO

PIP FUNCTIONS (OPTION);
PIP ON/SWAP/LOCATE/
SIZE SETTING/STILL/SCAN/
CHANNEL SELECTION(P)/
MULTI PIP/
SOURCE SELECTION (TV/VIDEO)

TELEVISION STANDBY BUTTON

➢ If the "PIP" is "Off", the **STILL**
button used to freeze the main
picture.

NUMERIC BUTTONS

SELECT

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

VIDEO   TV

EXTERNAL INPUT SELECTION

TUNER/CABLE NETWORK SELECTION

MUTE   MENU

TEMPORARY SOUND SWITCH OFF

MENU DISPLAY/
PROGRAMME SELECTION BY NAME

NEXT CHANNEL/
TELETEXT NEXT PAGE

CONTROL THE CURSOR IN THE MENU

VOLUME DECREASE

VOLUME INCREASE

CHANGE CONFIRMATION

PREVIOUS CHANNEL/
TELETEXT PREVIOUS PAGE

TELETEXT SUB-PAGE

ON-SCREEN DISPLAY/
TELETEXT REVEAL

PICTURE SIZE/TELETEXT SIZE

TEXT/MIX   DISPLAY   P.SIZE   S.MODE

TELETEXT DISPLAY/MIX

SOUND MODE SELECTION/
TELETEXT CANCEL

INFO.   S.STD   P.STD   SCAN-MODE

INFORMATION DISPLAY

SCAN MODE SELECTION

FASTEXT TOPIC SELECTION

SOUND STANDARD SELECTION

PICTURE STANDARD SELECTION

➢ *It is possible that the work of the transmitter is dull or not operated normally if the light of the Bulb is
on around the TV set.*

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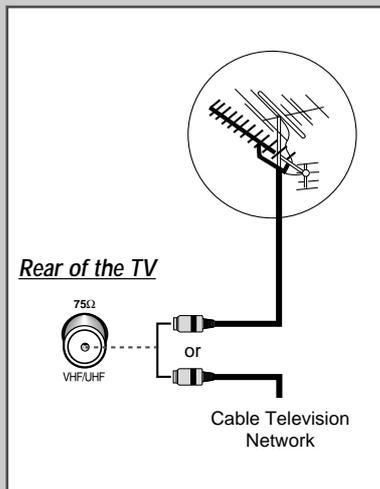
To view television channels correctly, a signal must be received by the set from one of the following sources:

◆ *An outdoor aerial*

◆ *A cable television network*

◆ *A satellite network (see page 10 for further details)*

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

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

◆ "Automatic Storing of Channels" on page 16

◆ "Manual Storing of Channels" on page 18

➢ If you wish to subscribe to a cable network, contact your local dealer.

Rear of the TV

75Ω

VHF/UHF

or

Cable Television Network

Connecting a VCR

You can connect a VCR to the television using a:

◆ *Coaxial cable*

◆ *S-Video cable*

1   Plug the aerial input cable into the appropriate socket on the VCR.

2   Connect a coaxial cable to the:
◆ VCR aerial output socket
◆ Television aerial input socket

3   Connect Audio/Video cable from the Audio/Video output connector to the Audio/Video input connector of television.

4   Follow the instructions supplied with your VCR to tune the VCR to your television.

Rear of the TV

Aerial output

RCA cable

Aerial input
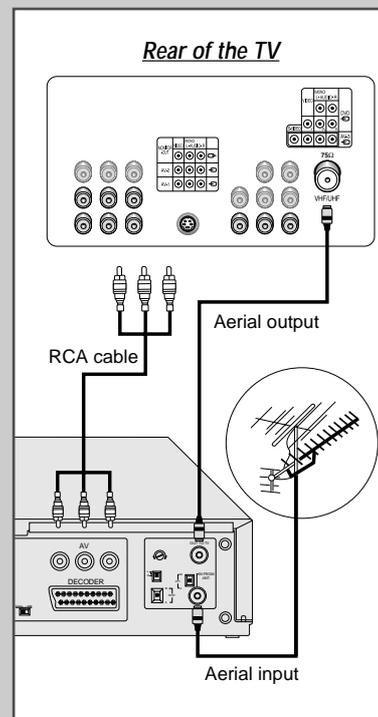
Connecting a Satellite Receiver

Rear of the TV

or

Satellite receiver
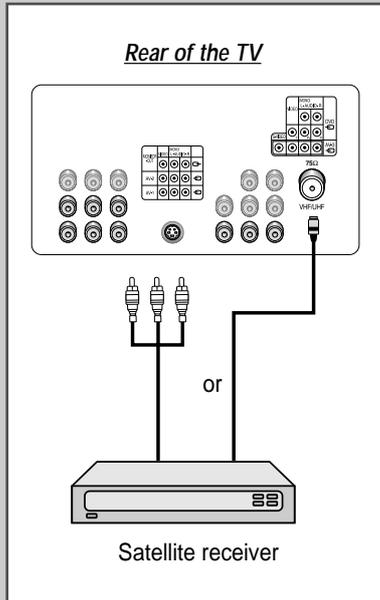
In order to watch television programmes broadcast via a satellite network, you must connect a satellite receiver to the TV set.

➤ If you wish to connect both a satellite receiver and a VCR, you should connect the:
◆ Receiver to the VCR
◆ VCR to the television
(see pages 39~40 for further details)

Otherwise, connect the receiver directly to the television.

Using a coaxial cable

Connect a coaxial cable to the:
◆ Receiver output socket.
◆ Television aerial input socket.

Connecting a Decoder

Rear of the TV

or
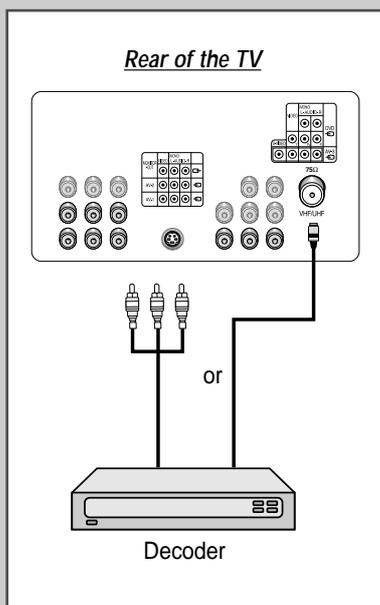
Decoder

In order to descramble a coded transmission signal, you must connect a decoder to the TV set.

➤ If you wish to connect both a decoder and a VCR, you should connect the:
◆ Decoder to the VCR
◆ VCR to the television
(see pages 39~40 for further details)

Otherwise, connect the decoder directly to the television.

Using a coaxial cable

Connect a coaxial cable to the:
◆ Receiver output socket.
◆ Television aerial input socket.

Connecting Additional Speakers

If you wish to listen a programme or recording using Dolby Surround, you can connect additional speakers.

The four speaker terminals are located on the rear of the television:

   ◆ *Two for the left-hand speaker (marked L)*

   ◆ *Two for the right-hand speaker (marked R)*

   ◆ *Two for the centre speaker (marked C); Option*

To improve the quality of the sound, connect the:

   ◆ *Red wire to the red terminal*

   ◆ *Black wire to the black terminal*

Rear of the TV

1	To connect a wire to a terminal, push the tab back as far as it will go.
2	Insert the wire, up to the plastic sheathing, in the hole.
3	Release the tab. <u>Result</u>: The wire is pinched and held firmly in place.
4	Repeat the operation for each wire.
5	Connect the other end of the wires to the loudspeakers.
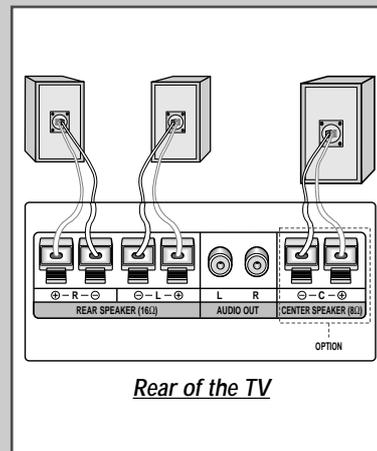
Inserting the Batteries in the Remote Control

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 monganese.
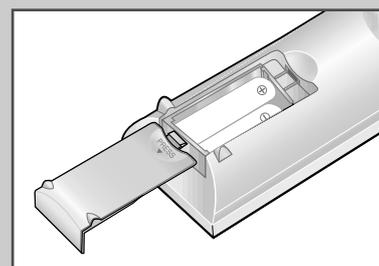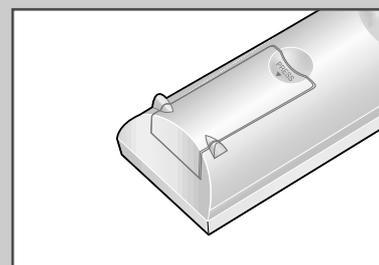
Switching Your Television On and Off
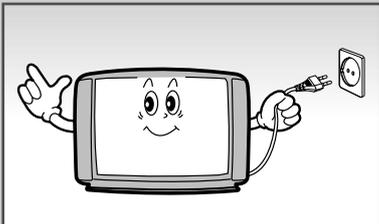
The mains lead is attached to the rear of your television.

1   Plug the mains lead into an appropriate socket.

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

2   Press the ON/OFF button (⏻) on the front of the television.

<u>Result</u>:   The Standby indicator lights up on the front panel.

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

<u>Result</u>:   The programme that you were watching last is re-selected automatically.

➢   When you switch the television on for the very first time, you will be asked to choose the language in which the menus are to be displayed (see page 14).

4   To switch your television off, press the ON/OFF button (⏻) again.

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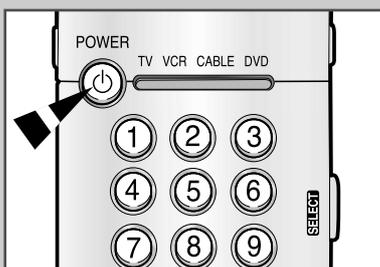
Your television can be placed in Standby mode, in order to reduce:

◆   *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.

<u>Result</u>:   The screen is turned off and a red Standby indicator appears on the front of the television.

2   To switch the television back on, simply press the **POWER** button (⏻) again or a number button.

➢   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.

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
P ⌃	Used to display the next stored channel.	-
P ⌄	Used to display the previous stored channel.	-
	➢ 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 increase the volume.	-
+ ◢	Used to reduce the volume.	-
	-	Used to: ◆ Display a submenu containing selections for the current menu option ◆ Search forwards/backwards manually for channels ◆ Increase/reduce a menu option value
	-	Used to confirm your choice.
MENU	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.
⓪ to ⑨	Used to display the corresponding channels.	Used to display the corresponding channel directly.
TV ( )	Used to switch the television on when it is in Standby mode.	Used to exit the menu system and return to normal viewing directly.
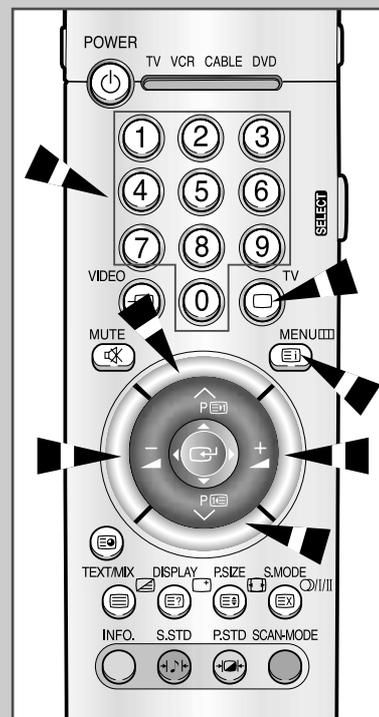
Plug and Play
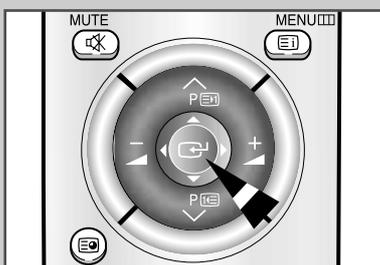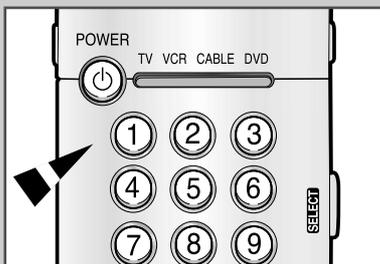
When the television is initially powered ON, several basic customer settings proceed automatically and subsequently. The follwing settings are available.

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

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

2 Select the appropriate language by moving the joystick up or down.

3 Press the joystick button (↵) to confirm your choice.

Result: The message `Antenna input check` is displayed.

4 Make sure that the antenna is connected to the TV, and then press the joystick button (↵).

Result: The `Area` menu is displayed.

5 Select your country (or area) by moving the joystick up or down.

6 Press the joystick button (↵) to confirm your choice.

Result: The `Auto store` menu is displayed.

7 To start the search, press the joystick button (↵).

Result: The search will end automatically.

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

8 When it has finished, the message `Enjoy viewing your new TV` is displayed, and then the channel which has been stored will be activated.

Plug and Play (cont.)

If you want to reset this feature...

1   Press the **MENU** button.

Result: The main menu is displayed.

2   Move the joystick up or down until the `Function` is selected.

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

3   Move the joystick right.

4   Move the joystick up or down until the `Plug & Play` option is selected.

5   Move the joystick right.

Result: The message `Plug & Play` is displayed.

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

```
                                    Function
   Language          English
   Time                 ▶
   Blue screen         Off
   Plug & Play          ▶


  Move: ▲▼                      Enter: ▶
```
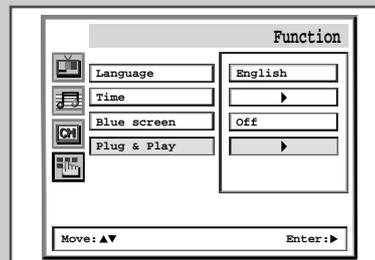
Choosing Your Language

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   Move the joystick up or down until the `Function` is selected.

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

3   Move the joystick right.

Result: The `Language` option is selected.

4   Move the joystick right again.

Result: The languages available are listed.

5   Move the joystick up or down until the appropriate language is selected.

6   Press the joystick button (⏎) to confirm your choice.

7   When you are satisfied with your choice, press the **TV** button (☐) to return to normal viewing.

```
   MUTE                        MENU
    ◁×                          ▤


              P ▤

          –    ⏎    +



              P ▤

    ▤◎
```

```
                                    Function
   Language          English
   Time                 ▶
   Blue screen         Off
   Plug & Play          ▶


  Move: ▲▼                      Enter: ▶
```

Automatic Storing of Channels

Area

Asia/W.Europe	
CIS/E.Europe	
China	
Hongkong/UK	
Australia	
NZ/Indonesia	

Sel.:▲▼   Store:↵

Auto store

Area	Asia/W.Europe
35 %	
227 MHz	P 0 -----
	Exit:TV
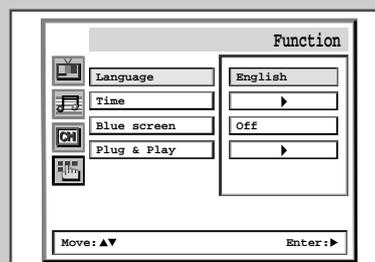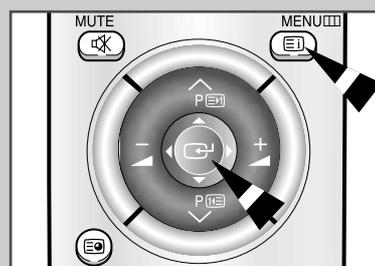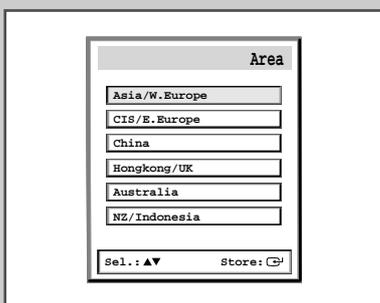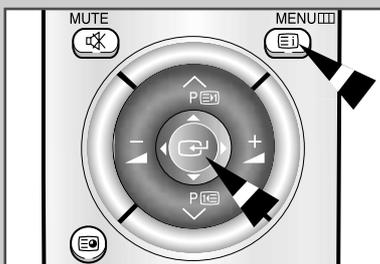
You can scan for the frequency ranges available to you, (availability depends on your area).

1   Press the **MENU** button.

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

2   Move the joystick up or down until the **Channel** is selected.

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

3   Move the joystick right.

    <u>Result</u>:   The **Area** option is selected.

4   Move the joystick right again.

    <u>Result</u>:   The areas available are listed.

5   Move the joystick up or down to select your area.

6   Press the joystick button (↵) to confirm your choice.

7   Press the **MENU** button.

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

8   Move the joystick up or down to select the **Auto store**.

9   Move the joystick right.

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

10   Press the joystick button (↵) to start the search.

    <u>Result</u>:   The search will end automatically. Channels are sorted and stored in an order which reflacts their position in the frequency range, (with lowest first and highest last). The programme originally selected is then displayed.

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

11   When the channels have been stored, you can:

    ◆   Sort them in the order required (see page 17)

    ◆   Clear a channel (see page 21)

    ◆   Fine-tune channel reception if necessary (see page 19)

    ◆   Assign a name to the stored channels (see page 20)

    ◆   Activate/deactivate the Digital Noise Reduction feature (see page 23)

Sorting the Stored Channels

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

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Move the joystick up or down until the **Channel** is selected.

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

3 Move the joystick right.

4 Move the joystick up or down until the **Sort** option is selected.

5 Move the joystick right.

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

6 Move the joystick up or down to select the channel that you wish to move. Then move the joystick right.

7 Move the joystick up or down to select the number of the programme to which the channel is to be moved.

8 Move the joystick left.

Result: The channel is moved to its new position and all other channels are shifted accordingly.

9 Repeat Steps **6** to **8** until you have moved all the channels to the required programme numbers.

	Channel
Area	Asia/W.Europe
Auto store	▶
Manual store	▶
Sort	▶
Name	▶
Channel edit	▶

Move:▲▼   Enter:▶

Sort

96 -----
97 -----
98 -----
99 -----
0 -----
| 1 C 21 | [   ]

2 -----
3 -----
4 -----
5 -----
6 -----   Move:▲▼
7 -----   Sel.:▶
8 -----   Exit:TV

Sort

96 -----
97 -----
98 -----
99 -----
0 -----
| 1 C 21 | | C 21 |

2 -----
3 -----
4 -----
5 -----
6 -----   Move:▲▼
7 -----   Add :◀
8 -----   Exit:TV

Manual Storing of Channels

You can store up to 100 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 by which you wish to identify each stored channel*

---

1 Press the **MENU** ▥ button.

Result: The main menu is displayed.

---

2 Move the joystick up or down until the **Channel** is selected.

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

---

3 Move the joystick right.

---

4 Move the joystick up or down until the **Manual store** option is selected.

---

5 Move the joystick right.

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

---

6 If necessary, indicate the broadcasting standard required by moving the joystick up or down to select the **Color system** option, followed by moving the joystick left or right. The color standards are displayed in the following order (depending on your model) :

$$\rightarrow \text{Auto} \rightarrow \text{PAL} \rightarrow \text{SECAM} \rightarrow$$

or

$$\rightarrow \text{Auto} \rightarrow \text{NTSC3.58} \rightarrow \text{NTSC4.43} \rightarrow \text{PAL60} \rightarrow$$

---

7 Select the **Sound system** option by moving the joystick up or down, and followed by moving the joystick left or right. The sound standards are displayed in the following order (depending on your model) :

$$\rightarrow \text{BG} \rightarrow \text{DK} \rightarrow \text{I} \rightarrow \text{M} \rightarrow$$

Menu panels

```
                        Channel

   Area              Asia/W.Europe
   Auto store              ▶
   Manual store            ▶
   Sort                    ▶
   Name                    ▶
   Channel edit            ▶

   Move:▲▼                    Enter:▶
```

```
                 Manual store

   Prog.No.              P  1
   Color system          Auto
   Sound system           BG
   Search               471 MHz
   Channel               S04
   Fine tune           [____|__]

   Move:▲▼   Sel.:◀▶   Store:⏎
```

```
                 Manual store

   Prog.No.              P  1
   Color system          Auto
   Sound system           BG
   Search               471 MHz
   Channel               S04
   Fine tune           [____|__]

   Move:▲▼   Sel.:◀▶   Store:⏎
```

8	**If you...**	**Then move the joystick...**
	Know the number of the channel to be stored	◆ up or down to select the **Channel** option ◆ left or right to indicate the required number
	Do not know the channel numbers	◆ up or down to select the **Search** option ◆ left or right 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.

9   If reception is weak, you can fine-tune a channel manually by:
◆ Selecting the **Fine tune** option
◆ Moving the joystick left or right until the picture and sound are both clear and sharp.

➢ ◆ You can ignore any changes made and return to the previous setting by pressing the green button.
   ◆ If you are unable to fine-tune a channel, check that the **Color system** and **Sound system** settings are correct.

10   To assign a programme number to a channel, select the **Prog.No.** option. Move the joystick left or right until you find the correct number.

11   To store the channel and associated programme number, press the joystick button (⏎).

12   Repeat Steps **8** to **11** for each channel to be stored.

Manual store

Prog.No.	P 1
Color system	Auto
Sound system	BG
Search	471 MHz
Channel	S04
Fine tune	

Move:▲▼　Sel.:◀▶　Store:⏎

Manual store

Prog.No.	P 1
Color system	Auto
Sound system	BG
Search	471 MHz
Channel	S04
Fine tune	

Move:▲▼　Enter:▶　Store:⏎

Manual store

Prog.No.	P 1
Color system	Auto
Sound system	BG
Search	471 MHz
Channel	S04
Fine tune	

Move:▲▼　Adjust:◀▶　Store:⏎

Manual store

Prog.No.	P 1
Color system	Auto
Sound system	BG
Search	471 MHz
Channel	S04
Fine tune	

Move:▲▼　Sel.:◀▶　Store:⏎

Assigning Names to Channels
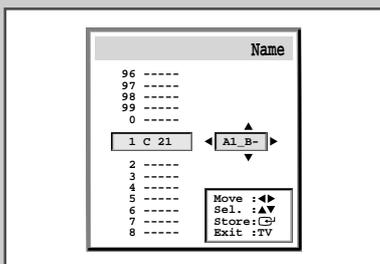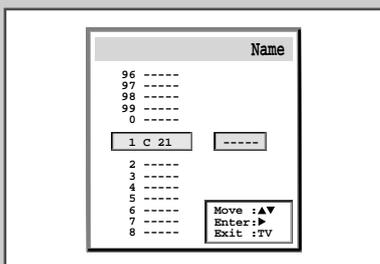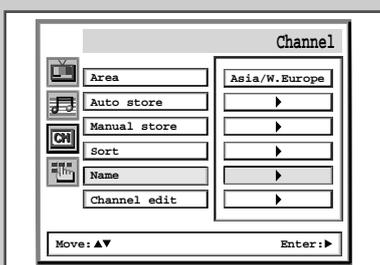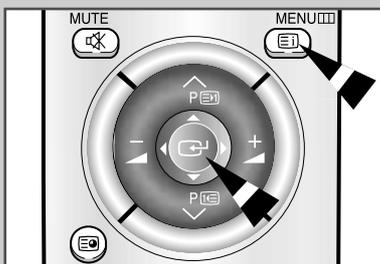
1 Press the **MENU** button.

Result: The main menu is displayed.

2 Move the joystick up or down until the **Channel** is selected.

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

3 Move the joystick right.

4 Move the joystick up or down until the **Name** option is selected.

5 Move the joystick right.

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

6 If necessary, select the channel to be assigned a new name by moving the joystick up or down.

7 Move the joystick right.

Result: Arrow indications are displayed around the name box.

8

To...	Then move the joystick...
Select a letter, number or symbol	up or down.
Move on the next letter	right.
Move back the previous letter	left.

➢   The characters available are:
   ◆ Letters of the alphabet (A ... Z)
   ◆ Numbers (0 ... 9)
   ◆ Special characters (_, −, space)

9 When you have finished entering the name, press the joystick button (⏎) to confirm the name.

10 Press the **TV** button (⬜) to return to normal viewing.

MUTE   MENU

P

−   +

P

Channel

Area   Asia/W.Europe
Auto store   ▶
Manual store   ▶
Sort   ▶
Name   ▶
Channel edit   ▶

Move:▲▼   Enter:▶

Name

96 -----
97 -----
98 -----
99 -----
0 -----
1 C 21   -----
2 -----
3 -----
4 -----
5 -----   Move :▲▼
6 -----   Enter:▶
7 -----   Exit :TV
8 -----

Name

96 -----
97 -----
98 -----
99 -----
0 -----
               ▲
1 C 21   ◄ A1_B- ►
               ▼
2 -----
3 -----
4 -----
5 -----   Move :◄►
6 -----   Sel. :▲▼
7 -----   Store:⏎
8 -----   Exit :TV

Activating the Child Lock and Skipping unwanted channels

◆ *Activating the child lock*

You can restrict viewing by locking the channels of your choice. For example, you can prevent your children from watching unsuitable programmes.

◆ *Skipping unwanted channels*

You can exclude the channels of your choice from the channel scan operation. When you scan through the stored channels, those that you have chosen to skip are thus not displayed. All 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	Move the joystick up or down until the `Channel` is selected.	
	Result:	The options available in the `Channel` group are displayed.

3	Move the joystick right.	
	Result:	The `Channel` menu is displayed.

4	Move the joystick up or down until the `Channel edit` option is selected.

5	Move the joystick right.	
	Result:	The `Channel edit` menu is displayed with the current channel automatically selected.

6	Move the joystick up or down to select the number of the programme to which the channel is to be locked.

7	Move the joystick right.

8	**To...**	**Then...**
	Lock the channel	◆ Select `On`.
		◆ Press the joystick button (⏎).
		Result: The channel is locked.
	Unlock the channel	◆ Select `Off`.
		◆ Press the joystick button (⏎).
		Result: The channel is unlocked.

9	Move the joystick right.

10	**To...**	**Then...**
	Erase the channel	◆ Select `Erased`.
		◆ Press the joystick button (⏎).
		Result: The channel is erased.
	Add the channel	◆ Select `Added`.
		◆ Press the joystick button (⏎).
		Result: The channel is added.

11	Press the **TV** button (▢) to return to normal viewing.
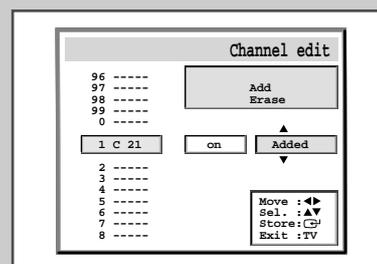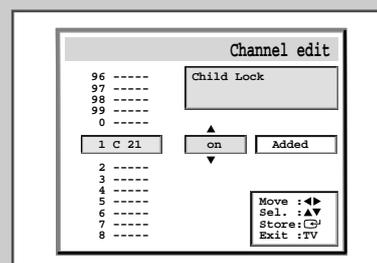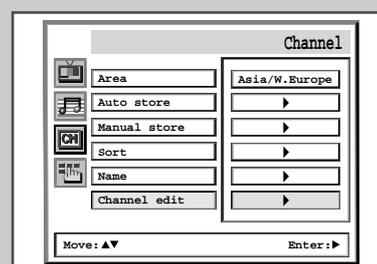
Selecting a Channel by Informations
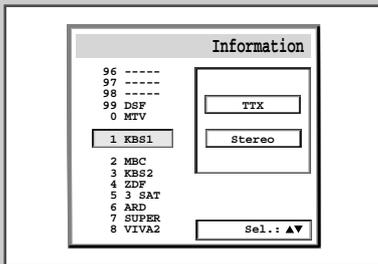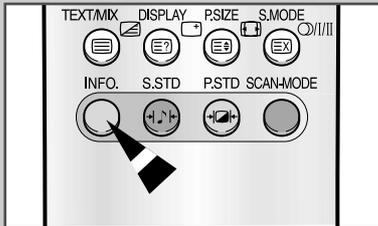
You can display the list of stored channels.

1   Press the **INFO.** button.

Result: A list is displayed with the first 13 channels. Two text boxes to the right of the list indicate:
◆ Whether the Teletext feature is available.
◆ Which sound mode is being used.

```
                      Information
96 -----
97 -----
98 -----
99 DSF               ┌─────────┐
 0 MTV               │   TTX   │
┌─────────┐          └─────────┘
│ 1 KBS1  │          ┌─────────┐
└─────────┘          │ Stereo  │
 2 MBC               └─────────┘
 3 KBS2
 4 ZDF
 5 3 SAT
 6 ARD
 7 SUPER             ┌─────────┐
 8 VIVA2             │ Sel.: ▲▼ │
                     └─────────┘
```

2

To...	Then...
Scroll through the stored channels	Move the joystick up or down. Result: The corresponding channel is displayed.
Select a specific channel	Press the **TV** button (▢). Result: The corresponding channel is displayed and the **Information** box disappears.

➤ ◆ External inputs can be displayed and scrolled through in the same way.

◆ You can display the name of the channel or input by pressing the **DISPLAY** button (⊡).

Changing the Scan Mode
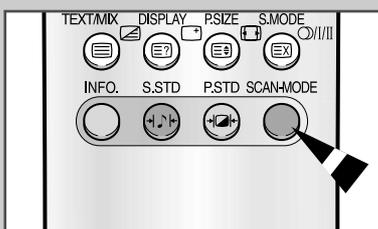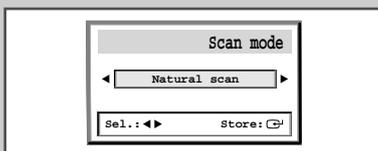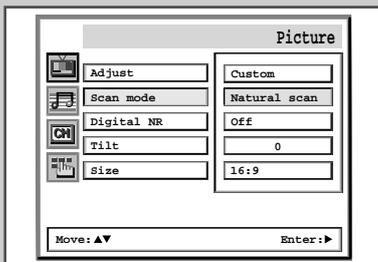
You will normally find that scan mode is best set to on to reduce any slight picture filcker. However, it is possible that some occasional broadcasts may benefit by changing the scan mode. The following scan modes are available (depending on the model):

◆ *Natural scan, Digital scan, Progressive.*

```
                           Picture
┌──┐
│⊞ │  ┌─ Adjust ────┐  ┌─ Custom ──────┐
└──┘  └─────────────┘  └───────────────┘
┌──┐  ┌─ Scan mode ─┐  ┌─ Natural scan ┐
│♫ │  └─────────────┘  └───────────────┘
└──┘  ┌─ Digital NR ┐  ┌─ Off ─────────┐
┌──┐  └─────────────┘  └───────────────┘
│CH│  ┌─ Tilt ──────┐  ┌─ 0 ───────────┐
└──┘  └─────────────┘  └───────────────┘
┌──┐  ┌─ Size ──────┐  ┌─ 16:9 ────────┐
│▦ │  └─────────────┘  └───────────────┘
└──┘
Move:▲▼                        Enter:▶
```

1   Press the **MENU** ▥ button.

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

2   Move the joystick right.

3   Move the joystick up or down until the **Scan mode** option is selected. Move the joystick right.

Result: The **Scan mode** menu is displayed with the current option.

```
                   Scan mode

      ◄ ┌─ Natural scan ─┐ ►
        └────────────────┘

     Sel.:◄►         Store:⏎
```

4

To...	Then...
Change the option	Move the joystick left or right.
Confirm the option	Press the joystick button (⏎).
Return to normal viewing	Press the **TV** button (▢).

☞ You can also set these options by simple pressing the **SCAN-MODE** button on the remote control.

Activating/Deactivating the Digital Noise Reduction Feature

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

1	Press the **MENU** button.	
	Result:	The options available in the **Picture** group are displayed.
2	Move the joystick right.	
3	Move the joystick up or down until the **Digital NR** option is selected. Move the joystick right.	
	Result:	The **Digital NR** menu is displayed with the current option.

4

To...	Then...
Change the option	Move the joystick left or right.
Confirm the option	Press the joystick button ( ).
Return to normal viewing	Press the **TV** button ( ).

```
                                    Picture
        Adjust          Custom
        Scan mode       Natural scan
        Digital NR      Off
        Tilt            0
        Size            16:9

     Move:▲▼                       Enter:▶
```

```
                    Digital NR
        ◄          On          ►

     Sel.:◄►           Store:
```
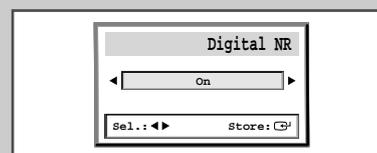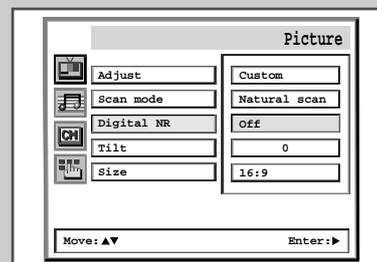
Using the Tilt Control Feature

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

1	Press the **MENU** button.	
	Result:	The options available in the **Picture** group are displayed.
2	Move the joystick right.	
3	Move the joystick up or down until the **Tilt** option is selected. Move the joystick right.	
	Result:	The **Tilt** menu is displayed with the current option.

4

To...	Then...
Adjust a setting	Move the joystick left or right.
Confirm the setting	Press the joystick button ( ).
Return to normal viewing	Press the **TV** button ( ).

```
                                    Picture
        Adjust          Custom
        Scan mode       Natural scan
        Digital NR      Off
        Tilt            0
        Size            16:9

     Move:▲▼                       Enter:▶
```

```
                        Tilt
        ◄    |_____|_____|    ►

     Adjust:◄►           Store:
```
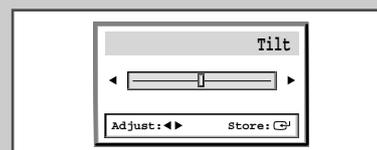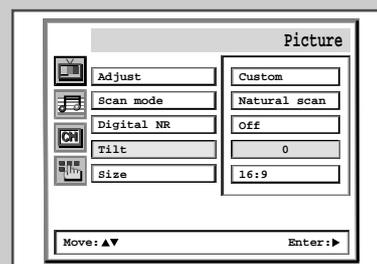
Using the LNA (Low Noise Amplifier) Feature (Option)

```
                              Function
  ┌─┐
  │▥│  Language        English
  ├─┤
  │♫│  Time               ▶
  ├─┤
  │CH│  Blue screen     Off
  ├─┤
  │▦│  Plug & Play        ▶
  ├─┤
  │▦│  LNA                ▶
  └─┘
  ┌─┐
  │▣│
  └─┘
  Move:▲▼                    Enter:▶
```

```
                                   LNA
        96 -----
        97 -----
        98 -----
        99 -----
         0 -----          ▲
      ┌─────────┐     ┌──────┐
      │ 1 C 21  │     │  On  │
      └─────────┘     └──────┘
         2 -----          ▼
         3 -----
         4 -----
         5 -----      ┌──────────────┐
         6 -----      │ Sel.  :▲▼    │
         7 -----      │ Store :⊙     │
         8 -----      │ Exit  :TV    │
                      └──────────────┘
```
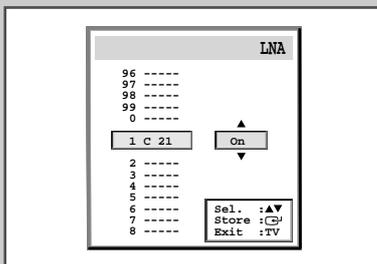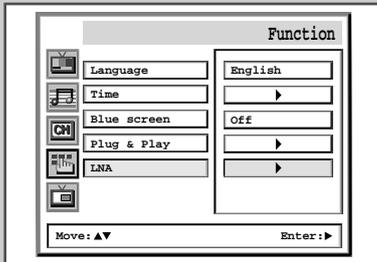
This function is very useful in the situation that the TV is used in weak signal. LNA amplifies the TV signal in the weak signal area, but not noise.

This feature is working only weak signal condition, and that is memorized on current channel, additional.

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

| 2 | Move the joystick up or down until the **Function** is selected. |
| | Result: The options available in the **Function** group are displayed. |

| 3 | Move the joystick right. |

| 4 | Move the joystick up or down until the **LNA** option is selected. |
| | Result: The **LNA** menu is displayed with the current option. |

5	**To...**	**Then...**
	Change a setting	Move the joystick up or down.
	Confirm the option	Press the joystick button (⊙).
	Return to normal viewing	Press the **TV** button (▢).

Setting the Blue Screen Mode

```
                              Function
  ┌─┐
  │▥│  Language        English
  ├─┤
  │♫│  Time               ▶
  ├─┤
  │CH│  Blue screen     Off
  ├─┤
  │▦│  Plug & Play        ▶
  ├─┤
  │▦│
  └─┘
  Move:▲▼                    Sel.:▶
```
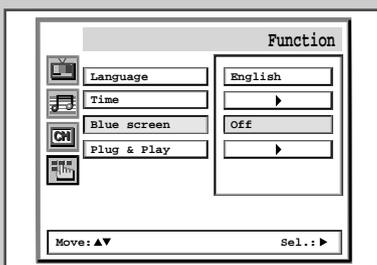
If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background.

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 | Move the joystick up or down until the **Function** is selected. |
| | Result: The options available in the **Function** group are displayed. |

| 3 | Move the joystick right. |

| 4 | Move the joystick up or down until the **Blue screen** option is selected. |

5	**To...**	**Then...**
	Change the option	Move the joystick right.
	Return to normal viewing	Press the **TV** button (▢).

Selecting the Picture Size

You can select the picture format which best corresponds to your viewing requirements. The following picture formats are available (depending on the model):

- ◆ *Auto wide, Panorama, 16:9, 4:3, Zoom1, Zoom2*

- ◆ *Normal, 16:9, Zoom*

1	Press the **MENU**▢▢ button.	
	<u>Result</u>:	The options available in the **Picture** group are displayed.
2	Move the joystick right.	
3	Move the joystick up or down until the **Size** option is selected. Move the joystick right.	
	<u>Result</u>:	The **Size** menu is displayed with the current option.

4	**To...**	**Then...**
	Change a setting	Move the joystick left or right.
		<u>Result</u>: The picture is changed accordingly.
	Confirm the option	Press the joystick button (⏎).
	Return to normal viewing	Press the **TV** button (▢).

☞ *If the PC is connected, you can adjust the VGA mode by moving the joystick up, down, left, or right*

☞ You can also select these options by simple pressing the **P.SIZE** button on the remote control.

Picture

	Adjust	Custom
	Scan mode	Natural scan
	Digital NR	Off
	Tilt	0
	Size	16:9

Move:▲▼   Enter:►

Size

◄   16:9   ►

Sel.:◄►   Store: ⏎

VGA Mode

Size

▲
◄ Adjust ►
▼

Store: ⏎   Exit:TV

TEXT/MIX   DISPLAY   P.SIZE   S.MODE

INFO.   S.STD   P.STD   S.MODE
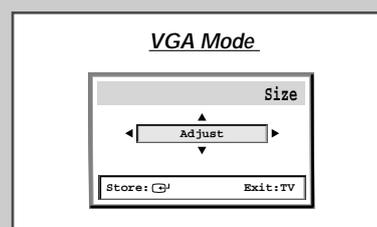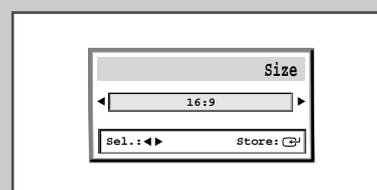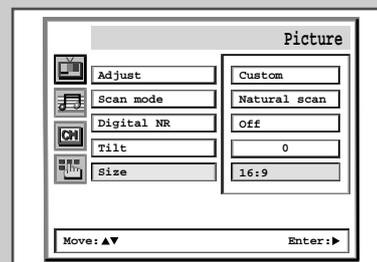
Changing the Picture Standard

You can use your remote control to select the type of picture which best corresponds to your viewing requirements. The following picture effects are available:

◆ *Custom, Standard, Sports, Mild, Natural.*

To select the required picture effect, simply press the **P.STD** button (＋☑＋) on the remote control.

☞ You can also set these options via the `Adjust` option in the `Picture` group. If you change the `Color tone`, `Brightness`, `Color`, `Contrast`, `Sharpness` or `Tint` (NTSC only) settings on the `Picture` menu, the `Custom` option is selected automatically.

Adjusting the Picture Settings
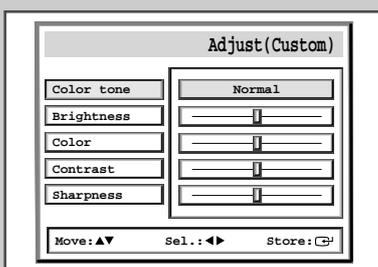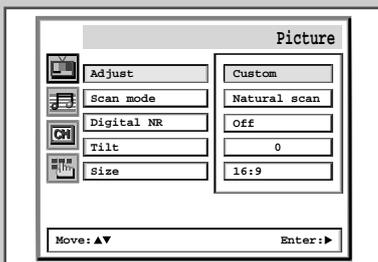
Your television has several settings which allow you to control picture quality:

◆ *Color tone, Brightness, Color, Contrast, Sharpness, Tint (NTSC only)*

Picture	
Adjust	Custom
Scan mode	Natural scan
Digital NR	Off
Tilt	0
Size	16:9

Move:▲▼ Enter:▶

Adjust(Custom)	
Color tone	Normal
Brightness	
Color	
Contrast	
Sharpness	

Move:▲▼ Sel.:◄► Store:⏎

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

2 Move the joystick right.
   Result: The `Adjust` option is selected.

3 Move the joystick right again.
   Result: The `Adjust` menu is displayed with the current option.

4 Move the joystick up or down to select the option to be adjusted.

5
To change the...	Then move the joystick...
◆ `Color tone`	◆ right until the required option (`Normal`, `Warm1/2` or `Cool1/2`) is displayed.
◆ `Brightness` ◆ `Color` ◆ `Contrast` ◆ `Sharpness` ◆ `Tint` (NTSC only)	◆ right. Result: A horizontal bar is displayed. ◆ left or right until you reach the setting.

6 When you are satisfied with the settings, press the joystick button (⏎) to store them.

7 When you have finished, press the **TV** button (▢) to return to normal viewing.

Adjusting the Volume

You can adjust the volume using your remote control.

To...	hold down the...
Increase the volume	**+**◢ button.
	Result: A horizontal bar is displayed and the volume increases until you release the button. The cursor moves to the right to indicate the volume.
Decrease the volume	**−**◢ button.
	Result: A horizontal bar is displayed and the volume decreases until you release the button. The cursor moves to the left to indicate the volume.

➤ Additional sound adjustments are available on your television. For further details, refer to pages 27 to 32.
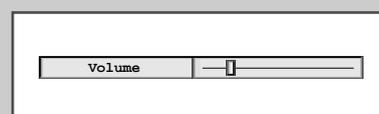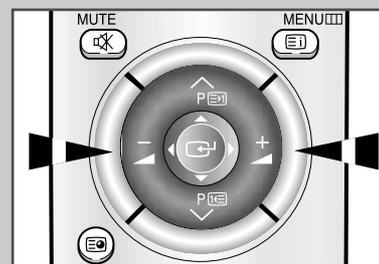
Adjusting the Volume Automatically

Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. **Auto volume** *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.*

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

2 Move the joystick up or down until the **Sound** is selected.
Result: The options available in the **Sound** group are displayed.

3 Move the joystick right.

4 Move the joystick up or down until the **Auto volume** option is selected.

5 Select the required option by moving the joystick left or right.

6 Press the **TV** button (▢) to return to normal viewing.
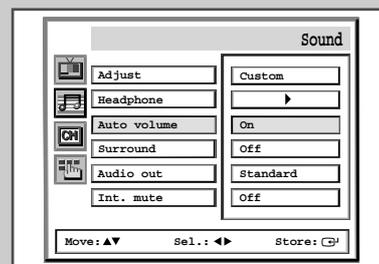
Switching the Sound Off Temporarily
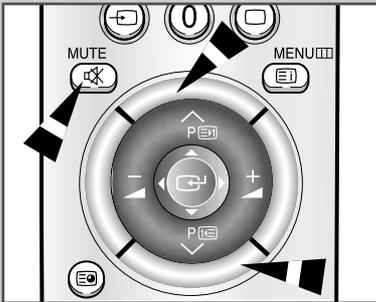
You can switch the sound off temporarily.

Example: You wish to answer the telephone.

---

1 Press the **MUTE** button (🔇) on the remote control.

Result: The sound is switched off and " 🔇 " is displayed.

---

2 When you wish to turn the sound back on, press the **MUTE** button (🔇) again or either of the volume buttons.

Result: The sound comes back on at the same volume as before and the " 🔇 " indication disappears.

Selecting the Sound Mode (depending on the model)

The "S.MODE" 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" position using the **S.MODE** button.

◆ If the stereo signal is weak (or if intermittent Stereo-Mono) and automatic switching occurs, then switch to the "Mono" mode.

◆ When receiving mono sound in the AV mode, connect to the "L" input jack on the panels. If the mono sound comes out only from the left speaker, then press the **S.MODE** button.

Selecting the Sound Standard

You can use your remote control to select the type of special sound effect to be used when watching a given broadcast. The following sound effects are available:

◆ *Custom, Standard, Music, Movie, Speech.*

To select the required sound effect, simply press the **S.STD** button ( ) on the remote control.

☞ You can also set these options via the **Adjust** option in the **Sound** group.
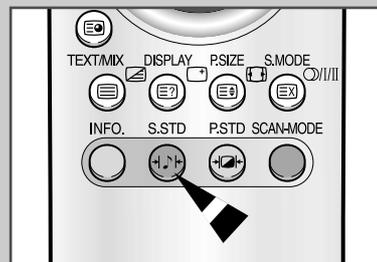
Adjusting the Sound Settings

The following settings can be adjusted to suit your personal preferences. The following settings are available:

◆ *Audio output*

◆ *Activation/deactivation of the internal speakers*

◆ *Volume, Balance, Equalizer*

1	Press the **MENU**▢ button.		

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

2 Move the joystick up or down until the **Sound** is selected.
Result: The options available in the **Sound** group are displayed.

3 Move the joystick right.

4 Move the joystick up or down until the **Audio out** option is selected.

5 Select the your requirement.

➤ If you want to adjust the volume level with the volume control on the TV, set to **Volume**.
When set to **Standard**, you can adjust the volume level with the volume control on the audio amplifier.

6 If you wish to silence the internal speakers, set the **Int. mute** to **On**.

7 Move the joystick up or down until the **Adjust** option is selected, and move the joystick right.
Result: The **Adjust** menu is displayed with the current option: volume, balance, and equalizer.

8 Adjust to suit your personal preferences.

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

29
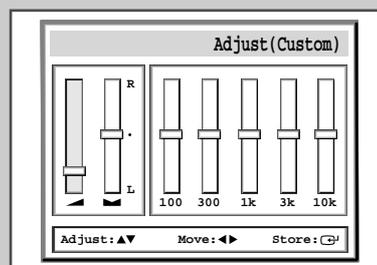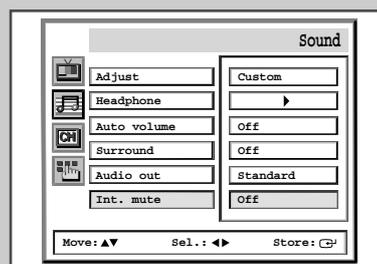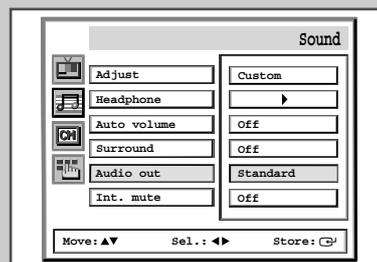
Setting the Dolby Pro-logic

Rear of TV

⊕ R ⊖	⊖ L ⊕	L	R	⊖ C ⊕
REAR SPEAKER (16Ω)		AUDIO OUT		CENTER SPEAKER (8Ω)

option
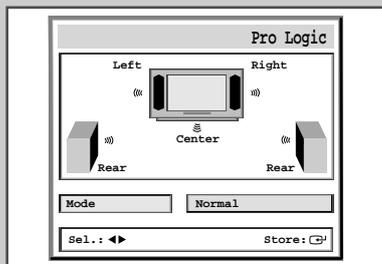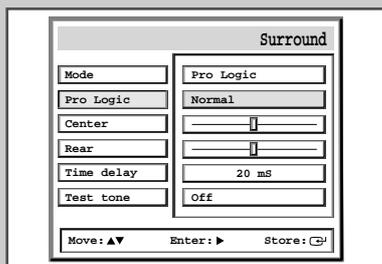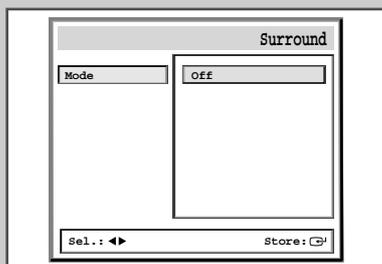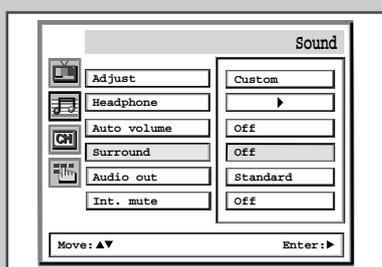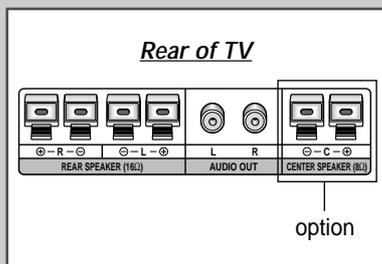
The Dolby mode allows you enjoy Dolby prologic surround effect fully with only surround speakers are connected to TV.

This allows various modes for the main, center and rear speakers to be selected.

Surround Mode		Input Signal	Main	Speakers Centre	Rear
Pro Logic	– Normal	Stereo	✔	✔	✔
		Mono		✔	
	– Phantom	Stereo	✔		✔
		Mono	✔		
	– Wide	Stereo	✔	✔	✔
		Mono		✔	
3D Sound		Stereo	✔		
		Mono	✔		
Hall		Stereo	✔	✔	✔
		Mono	✔	✔	✔
Off		Stereo	✔		
		Mono	✔		

➢ ✔ ; Sound

Sound menu

📺 Adjust	Custom
🎵 Headphone	▶
📻 Auto volume	Off
Surround	Off
🎚 Audio out	Standard
Int. mute	Off

Move: ▲▼   Enter: ▶

Surround menu

Mode	Off

Sel.: ◀▶   Store: ↵

Surround menu

Mode	Pro Logic
Pro Logic	Normal
Center	▬▬▬▮▬▬▬
Rear	▬▬▬▮▬▬▬
Time delay	20 mS
Test tone	Off

Move: ▲▼   Enter: ▶   Store: ↵

Pro Logic menu

Left   Right
Center
Rear   Rear

Mode	Normal

Sel.: ◀▶   Store: ↵

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

2 Move the joystick up or down until the **Sound** is selected.
Result: The options available in the **Sound** group are displayed.

3 Move the joystick right.

4 Move the joystick up or down until the **Surround** option is selected, and move the joystick left or right.
Result: The following surround modes are available:
Pro Logic, **3D Sound**, **Hall**, **Off**.

5 Select the **Pro Logic** option in the surround mode.
Result: The options available are displayed.

6 Move the joystick up or down until the **Pro Logic** option is selected, and move the joystick right.

7 Select the required option by moving the joystick left or right.
Result: The following options are available:
Normal, **Phantom**, **Wide**.

8 To store the setting, press the joystick button (↵).
Press the **TV** button (▢) to return to normal viewing.

Adjusting Your Dolby Preferences

The following Dolby settings can be adjusted to suit your personal preferences.

- ◆ *Volume of the centre and rear speakers*

- ◆ *Prologic delay time for the rear speakers (between 15 and 30 ms)*

- ◆ *Activation/deactivation of the test tone to simulate the volume on each speaker*

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

2	Move the joystick up or down until the **Sound** is selected.	
	Result:	The options available in the **Sound** group are displayed.

3	Move the joystick right.

4	Move the joystick up or down until the **Surround** option is selected, and move the joystick right.	
	Result:	The **Surround** menu is displayed with the current option.

5	Select the **Pro Logic** option in the surround mode.	
	Result:	The options available are displayed.

6	**To...**	**Then...**
	Change a setting	Move the joystick up or down.
	Change the option	Move the joystick left or right.
	Confirm the changes	Press the joystick button ( ).
	Return to normal viewing	Press the **TV** button ( ).

➤ Manufactured under license from Dolby Laboratories.

"Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

Sound

Adjust	Custom
Headphone	▶
Auto volume	Off
Surround	Pro Logic
Audio out	Standard
Int. mute	Off

Move:▲▼   Enter:▶

Surround

Mode	Pro Logic
Pro Logic	Normal
Center	
Rear	
Time delay	20 mS
Test tone	Off

Move:▲▼   Sel.:◀▶   Store:

Surround

Mode	Pro Logic
Pro Logic	Normal
Center	
Rear	
Time delay	20 mS
Test tone	Off

Move:▲▼   Adjust:◀▶   Store:
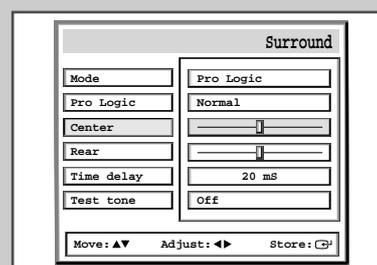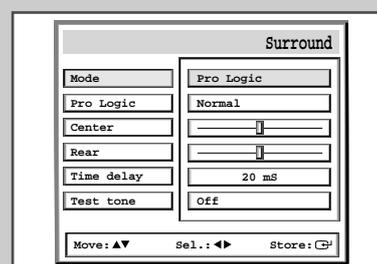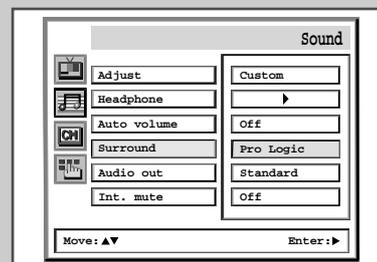
Connecting Headphones
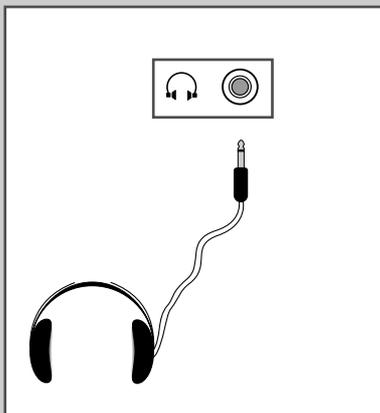
You can connect a set of headphones to your television if you wish to watch a television programme without disturbing the other people in the room.

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

Result: The sound is heard through the headphones.

> ➢   For further details on how to set your headphone preferences, refer to the section below.

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

Adjusting Your Headphone Preferences
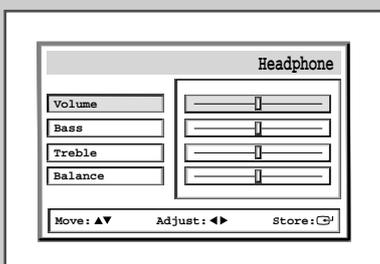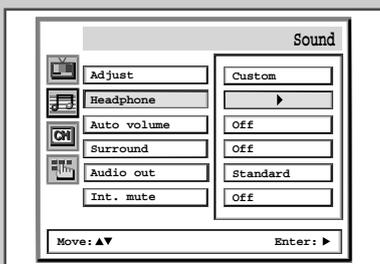
You can adjust the headphone settings to suit your preferences. The following headphone settings are available:

◆ *Volume, Bass, Treble, Balance.*

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

2   Move the joystick up or down until the **Sound** is selected.
Result: The options available in the **Sound** group are displayed.

3   Move the joystick right.

4   Move the joystick up or down until the **Headphone** option is selected. Move the joystick right.
Result: The **Headphone** menu is displayed.

5	To...	Then...
	Change the option	Move the joystick up or down.
	Change a setting	Move the joystick left or right.
	Confirm the changes	Press the joystick button (⌸).
	Return to normal viewing	Press the **TV** button (▭).

Sound

Adjust	Custom
Headphone	▶
Auto volume	Off
Surround	Off
Audio out	Standard
Int. mute	Off

Move:▲▼   Enter:▶

Headphone

Volume
Bass
Treble
Balance

Move:▲▼   Adjust:◄►   Store:⌸

Setting the Sleep Timer

You can select a time period of between 15 and 180 minutes after which the television automatically switches to Standby mode.

1   Press the **SLEEP** button (☪).

　　　Result:　　The **Sleep Timer** menu is displayed.

2   Move the joystick left or right to select the number of minutes after which the television switches to Standby.

3   Press the joystick button (↵) to confirm your selection.

4   Press the **TV** button (▭) to return to normal viewing.

　　　Result:　　One minute before the television set is automatically switched off.

```
                               Sleep timer
        ◀              Off                ▶

     Sel.:◀▶                        Store:↵
```
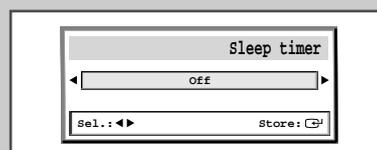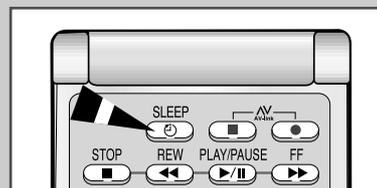
Setting the Time and Switching the TV On/Off Automatically

You can set the television's clock and 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.*

1   Press the **MENU** button.

　　　Result:　　The main menu is displayed.

2   Move the joystick up or down until the **Function** is selected. Move the joystick right.

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

3   Move the joystick up or down until the **Time** option is selected. Move the joystick right.

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

4   Set the **Clock** by pressing the numeric buttons.

5   Move the joystick up or down to select the **Timer**. Then, select to **on** by moving the joystick left or right for switching on/off automatically.

6   Select the **On time** by moving the joystick up or down, followed by pressing the numeric buttons to switch on automatically.

7   In the same way, set the **Off time** to switch off automatically

➤   The clock setting will be re-activated when pressing the " ⏻ " (ON/OFF) button on the front panel.

```
                               Function
     ▦   Language        English
     ▤   Time               ▶
     ▣   Blue screen     Off
     ▦   Plug & Play        ▶
     ▦

     Move:▲▼                        Enter:▶
```

```
                                   Time
     Clock           --:--
     Timer           Off
     On time         --:--
     Off time        --:--

     Move:▲▼   Adjust:0-9   Store:↵
```
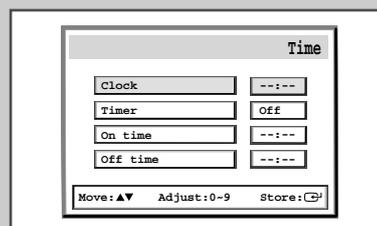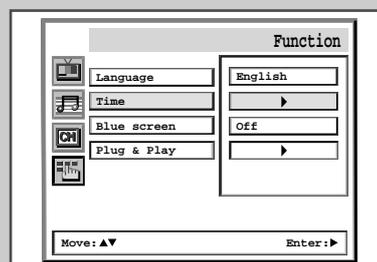
Picture In Picture Feature (Option)
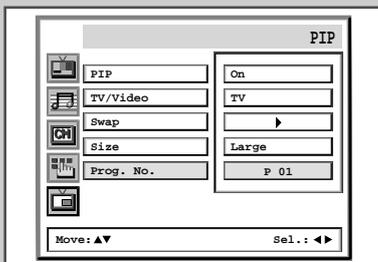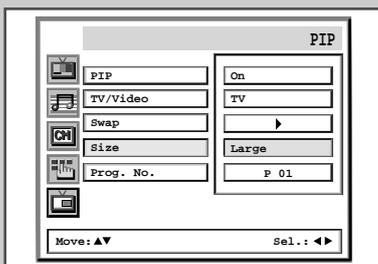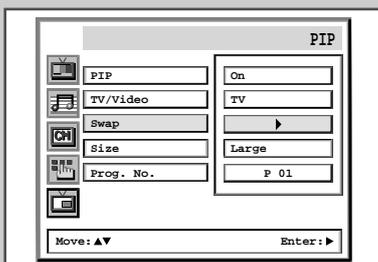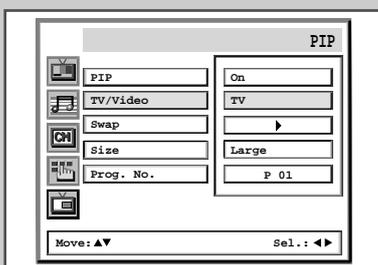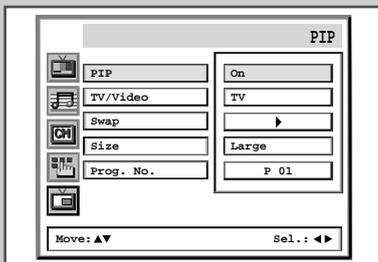
You can display a "Picture-In-Picture screen" within the main picture of TV program or Video input. In this way you can watch or monitor TV program or the Video input from any connected equipment while watching TV or other Video input.
For information about connection of other equipment, refer to pages 39 and 40.

PIP

PIP	On	
TV/Video	TV	
Swap	▶	
Size	Large	
Prog. No.	P 01	

Move:▲▼   Sel.: ◀▶

PIP

PIP	On	
TV/Video	TV	
Swap	▶	
Size	Large	
Prog. No.	P 01	

Move:▲▼   Sel.: ◀▶

PIP

PIP	On	
TV/Video	TV	
Swap	▶	
Size	Large	
Prog. No.	P 01	

Move:▲▼   Enter:▶

PIP

PIP	On	
TV/Video	TV	
Swap	▶	
Size	Large	
Prog. No.	P 01	

Move:▲▼   Sel.: ◀▶

PIP

PIP	On	
TV/Video	TV	
Swap	▶	
Size	Large	
Prog. No.	P 01	

Move:▲▼   Sel.: ◀▶

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

2 Move the joystick up or down until the **PIP** is selected.
Result: The options available in the **PIP** group are displayed.

3 Move the joystick right.

4 To activate the PIP feature, set the **PIP** to **on** by moving the joystick left or right.

5 Move the joystick up or down to select the **TV/VIDEO** option. Then, select a source of the sub picture by moving the joystick left or right. The sources are displayed in the following order:

$$\text{TV} \rightarrow \text{AV1} \rightarrow \text{AV2} \rightarrow \text{AV3} \rightarrow \text{AV4}$$

6 To interchange the main picture and the sub picture, select the **Swap** option and move the joystick right.

7 Move the joystick up or down to select the **Size** option. Then, select a size of the sub to **Large** or **Small** by moving the joystick left or right.

8 Move the joystick up or down to select the **Prog.No.** option. You can select the channel that you want to view through sub picture by moving the joystick left or right.

9 To return to normal viewing, press the **TV** button (▢).

Picture In Picture Feature (Option)

Remote-control functions while "PIP" is "On":

Features	Description
PIP ON	Used to operate ON/OFF function of PIP directly.
SWAP	Used to interchange the main picture and the sub picture.
	➢ When the main picture is in the Video mode and the sub picture is in the TV mode, you might not hear the sound of main picture when pressing the **SWAP** button after changing the sub picture channel. At this time, reselect the main picture channel.
LOCATE	Used to move the sub picture counterclockwise.
P ▼/▲	Used to select the channel of sub picture.
SIZE	Used to select the type of sub picture (`Large`, `Small`).
STILL	Used to freeze the sub picture.
	➢ If the "PIP" is "Off", the **STILL** button used to freeze the main picture.
SCAN	Used to scan every memorized channel in order. To stop scanning, press it again.
MULTI	Used to view memorized channels to a maximum of 12 on the sub picture spontaneously.
TV/VIDEO	Used to assign a source of sub picture (`TV`, `AV1`, `AV2`, `AV3`, `AV4`).
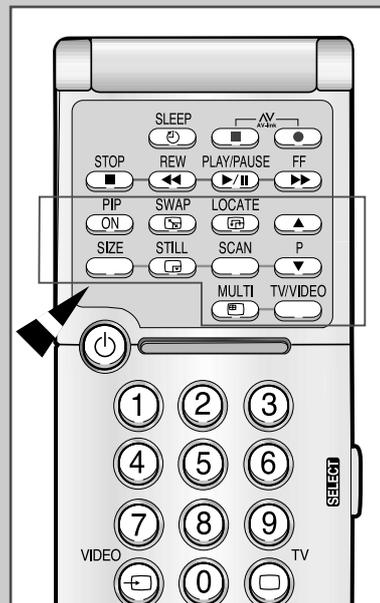
Teletext Feature
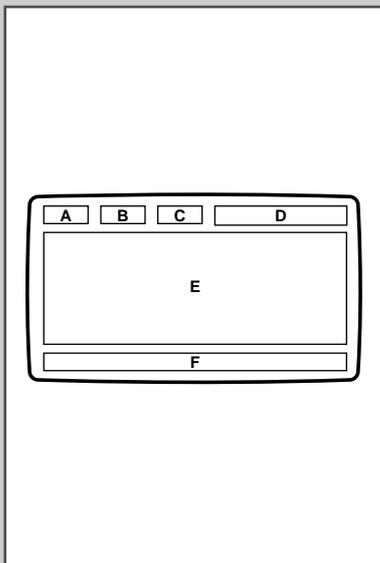
Most television channels provide a written information service via Teletext. Information provided includes:

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

This information is divided into numbered page (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.

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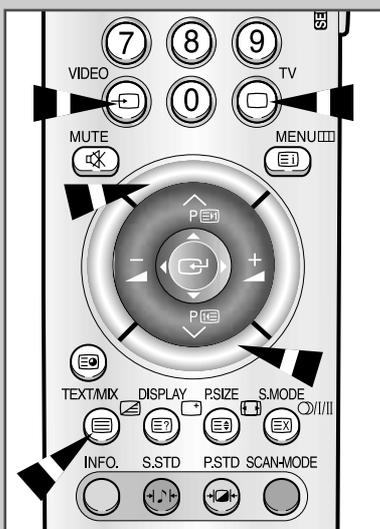
You can display Teletext information at any time on your television.

☞ 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, follow the instructions below.

1 Select the channel providing the Teletext service, using the **P∧** (▤) or **P∨** (▤) buttons or the **VIDEO** button (▭).

2 Press the **TEXT/MIX** button to activate the Teletext mode.

Result: The contents page is displayed.

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

4 When you have finished, press the **TV** button (▭) to continue viewing normally.

➤ A message box containing the words "No Text Transmission" will be displayed if the selected channel does not carry a Teletext signal.

Selecting Display Options

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

To display...	Press the...
Both the Teletext information and the normal broadcast	**TEXT/MIX**.
◆ Hidden text (answers to quiz games, for example)	⌨? (reveal).
◆ The screen normally again	⌨? (reveal) again.
A secondary page by entering its number	⌨◉ .
The broadcast when searching for a page	⌨X .
The next page	P⌃ (⌨▸).
The previous page	P⌄ (⌨◂).
◆ In letters the upper or lower half of the page ◆ To a full page	⌨◆ (size) repeatedly.

➢ To return to the normal display after using the reveal or size features, press the **TV** button (☐) again.
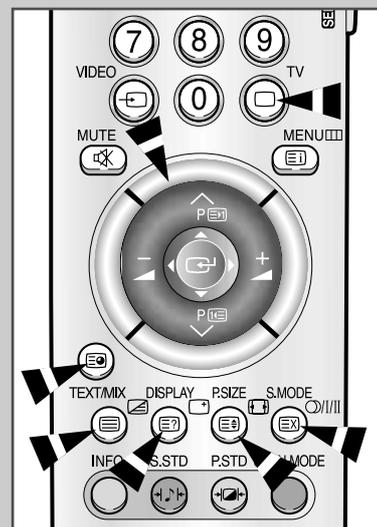
Selecting a Teletext Page
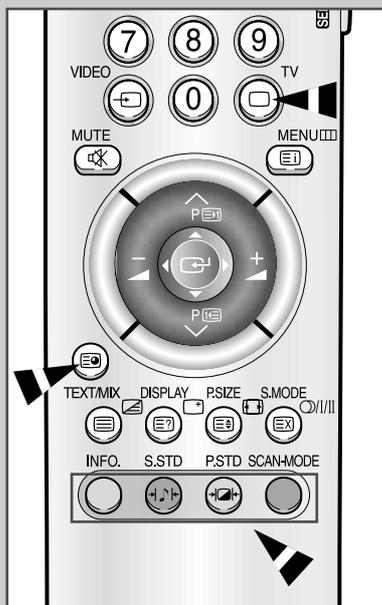
You can enter the page number directly by pressing the numeric buttons on the remote control.

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

Result: The current page number is incremented until the requested page is reached. That page is then displayed. If the selected page is linked with several secondary pages, the secondary pages are displayed in turn.

2 If the FASTEXT system is used by the broadcasting company, the different topics covered on a Teletext page are color-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 colored information that can be selected in the same way.

3

To display the...	Press the...
Previous/Next page	Corresponding colored button.
Subpage	1. ▤ button.
	➢ The available subpages are appeared.
	2. Select the required subpage.

4 When you have finished, press the **TV** button (▭) again to return to your normal broadcast.

Connecting to the AV 1, 2 or 3 Input/Outputs

Rear of the TV

VCR

**Decoder/
Video game device**

Video disc player

Satellite receiver

① or

① This end can be fitted with:
- Three RCA connectors (video + audio L and R)
- An S-Video connector and two audio RCA connectors (L+R); AV 1, 3

Connecting to the AV 4 Input (depending on the model)

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

Side of the TV

R
AUDIO
L
(MONO)

VIDEO4
INPUT

Camcorder

Video disc player

Video game device

Connecting to the S-Video Input (depending on the model)

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

Rear of the TV

① **and**

Camcorder

VCR
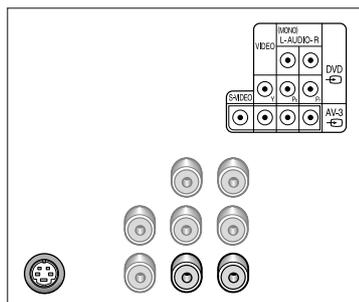
Side of the TV
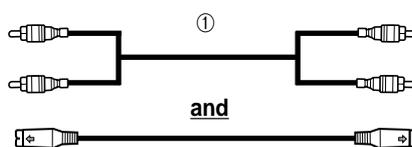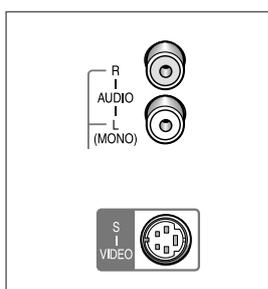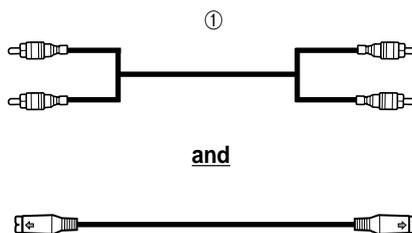
① **and**
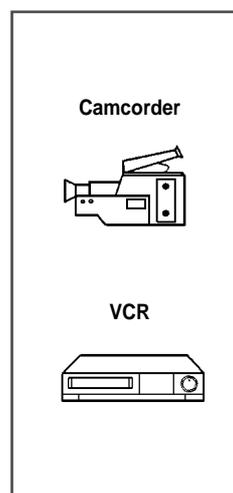
① To playback pictures and sound both the S-VIDEO and the RCA connections must be used.

Connecting to the DVD Input (depending on the model)

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

Rear of TV

DVD
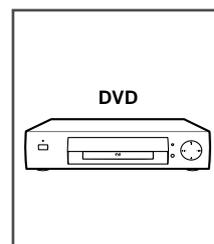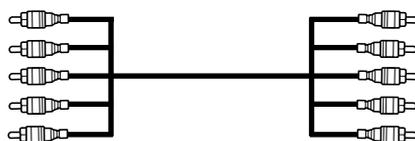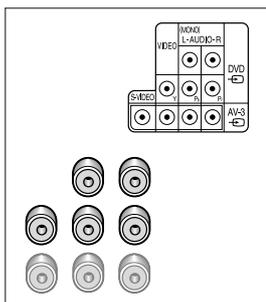
➢ Only black signal is output from a monitor in DVD mode.

Connecting to the Audio Output

➢ The 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
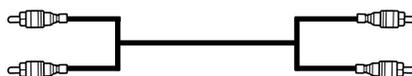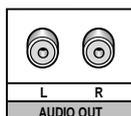
➢ See the page 31 for further details on "Adjusting Your Dolby Preferences".

Connecting to the PC Input (depending on the model)

➢ The PC INPUT/RCA(AUDIO-L+R) connectors are used for interfacing with your PC.

Side of the TV

R
AUDIO
L
(MONO)

PC
INPUT
(RGB)

Personal Computer
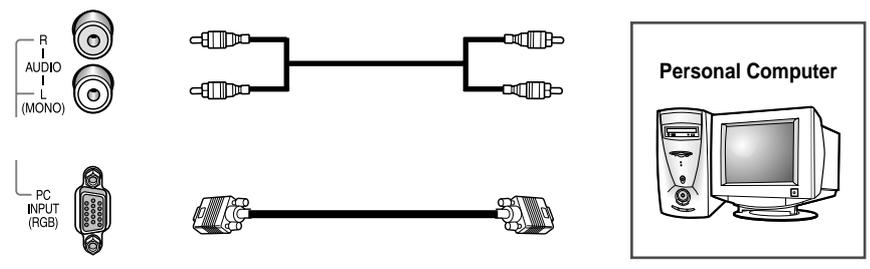
➢ **How to Set up Your PC Software (Windows only)**

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

First, click on "Settings" on the Windows start menu.

While "Settings" is highlighted, move the cursor so that "Control Panel" is highlighted.

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

Navigate to the "Settings" tab on the display dialog-box.

The correct setting of size (resolution) is "640 x 480 pixels".

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

➢ Only black signal is output from a monitor in PC mode.

Viewing Pictures From External Sources

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

1   Check that all the necessary connections have been made (refer to pages 39 and 40 for further details).

2   Switch the television on and if necessary, press the **VIDEO** button ( ) one or more times until the required input is displayed.

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

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

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 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 volume **MUTE** button ( ) has been pressed on the remote control.
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 and 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 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.
The Record button (●) does not work	◆ This button is only operational with an AV-Link VCR. If you have an ordinary VCR, it has no effect. You must use the Record button on your VCR remote control. ◆ Check that your AV-Link VCR has been correctly connected.

– 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.

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