

**SAMSUNG**

**LCD TV**

**LW26A33W**

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**– AFTER SALES SERVICE**

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- 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.

LCD TV

## Owner's Instructions

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

**SAMSUNG**

**ELECTRONICS**

LW26A33W



АЯ46

BN68-00656F-00

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

This device is a class B digital apparatus.



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Before operating the unit,  
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**PC DISPLAY**  
**PICTURE IN PICTURE (PIP)**  
**TELETEXT**

This device is a class B digital apparatus.

Do not display a still image (such as on a video game or when hooking up a DVD to this LCD TV) on the Color TFT-LCD (Thin Film Transistor Liquid Crystal Display) panel for a long time as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of this screen when displaying a still image.

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## Symbols



Press

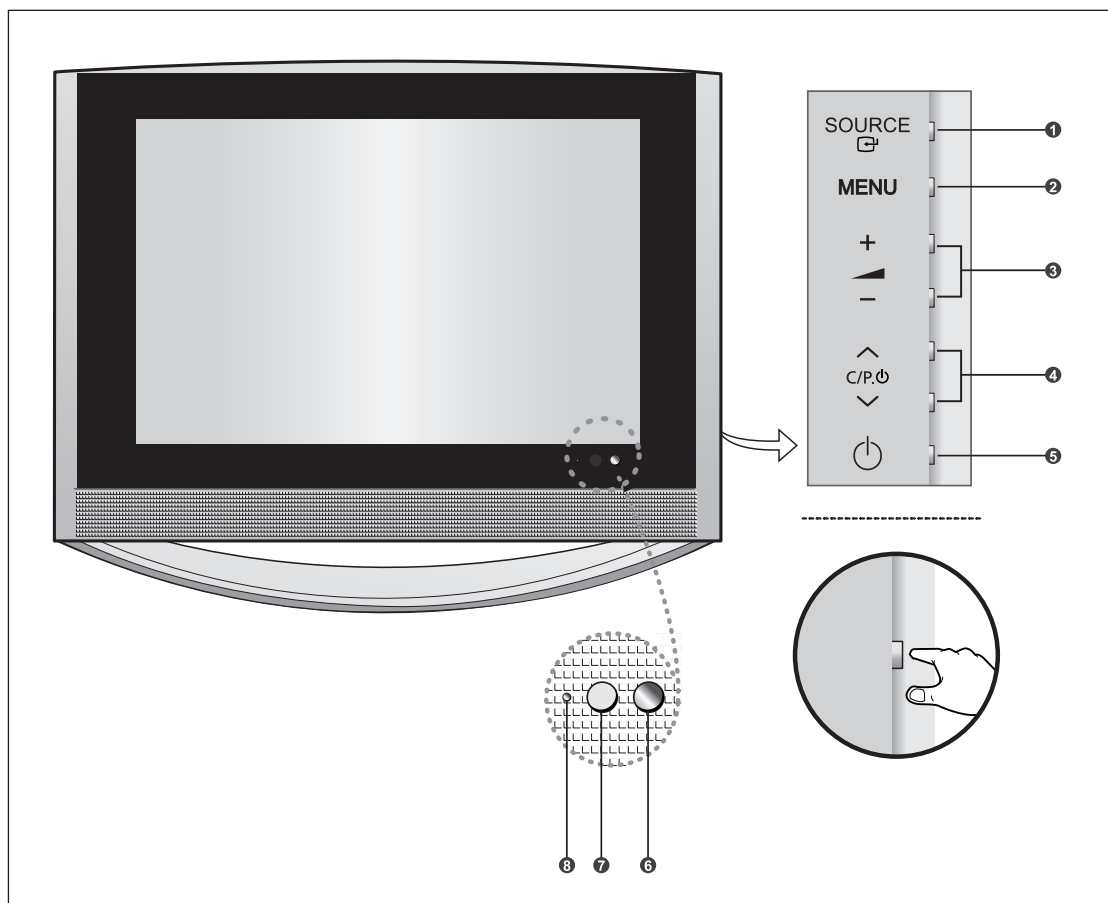


Important




Note

## Viewing the Control Panel



### 1 SOURCE

Displays a menu of all of the available input sources (TV, Ext.1, Ext.2, AV3, S-Video, DVI, PC).

You can also use the SOURCE  buttons on the TV's control panel to make selection.

### 2 MENU

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

### 3 - +

Press to decrease or increase the volume. Also used to select items on the on-screen menu.

### 4 C/P

Press to change channels. Also press to highlight various items on the on-screen menu. (Without the Remote Control, You can turn on TV by using the Channel buttons.)

### 5 (Power)

Press to turn the TV on and off.

### 6 Light Detecting Sensor

Adjusts brightness of screen automatically by detecting brightness of surrounding environment. This sensor works when IBC is on.

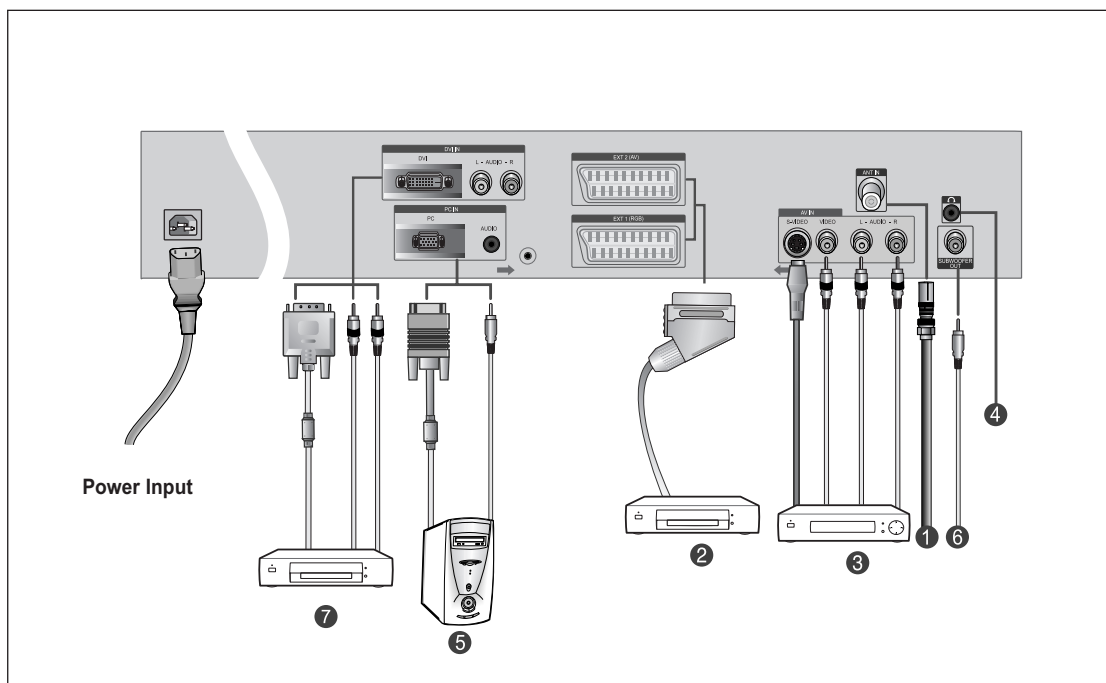
### 7 Remote Control Sensor

Aims the remote control towards this spot on the TV.

### 8 Power Indicator

Lights up when you turn the power off. When you turn the power off after selecting On/Off Timer, green light will appear.

## Viewing the Connection Panel



Whenever you connect an audio or video system to your set, ensure that all elements are switched off.

### 1 Connecting an Aerial or Cable Television Network

To view television channels correctly, a signal must be received by the set from one of the following sources:

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

### 2 Connecting Set-Top Box, VCR or DVD

- Connect the VCR or DVD SCART cable to the SCART connector of the VCR or DVD.
- If you wish to connect both the Set-Top Box and VCR (or DVD), you should connect the Set-Top Box to the VCR (or DVD) and connect the VCR (or DVD) to your set.

### ➤ Input/Output Specification

| Connector | Input |             |         |     | Output                                    |
|-----------|-------|-------------|---------|-----|---|
|           | Video | Audio (L/R) | S-Video | RGB | Video+Audio (L/R)                         |
| SCART 1   | ✓     | ✓           |         | ✓   | Only TV Out                               |
| SCART 2   | ✓     | ✓           |         |     | Monitor Out<br>(TV/Ext.1/Ext.2/AV3/S-VHS) |

## Viewing the Connection Panel

### ③ *Connecting External A/V Devices*

- Connect RCA or S-VIDEO cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables to "**AUDIO(L)**" and "**AUDIO(R)**" on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.
- Headphone may be connected to the headphone output ( ④ ) on the rear of your set. While the headphone is connected, the sound from the built-in speakers will be disabled.

### ⑤ *Connecting Computer*

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

## Viewing the Connection Panel

### ⑥ Connecting Sub Woofer

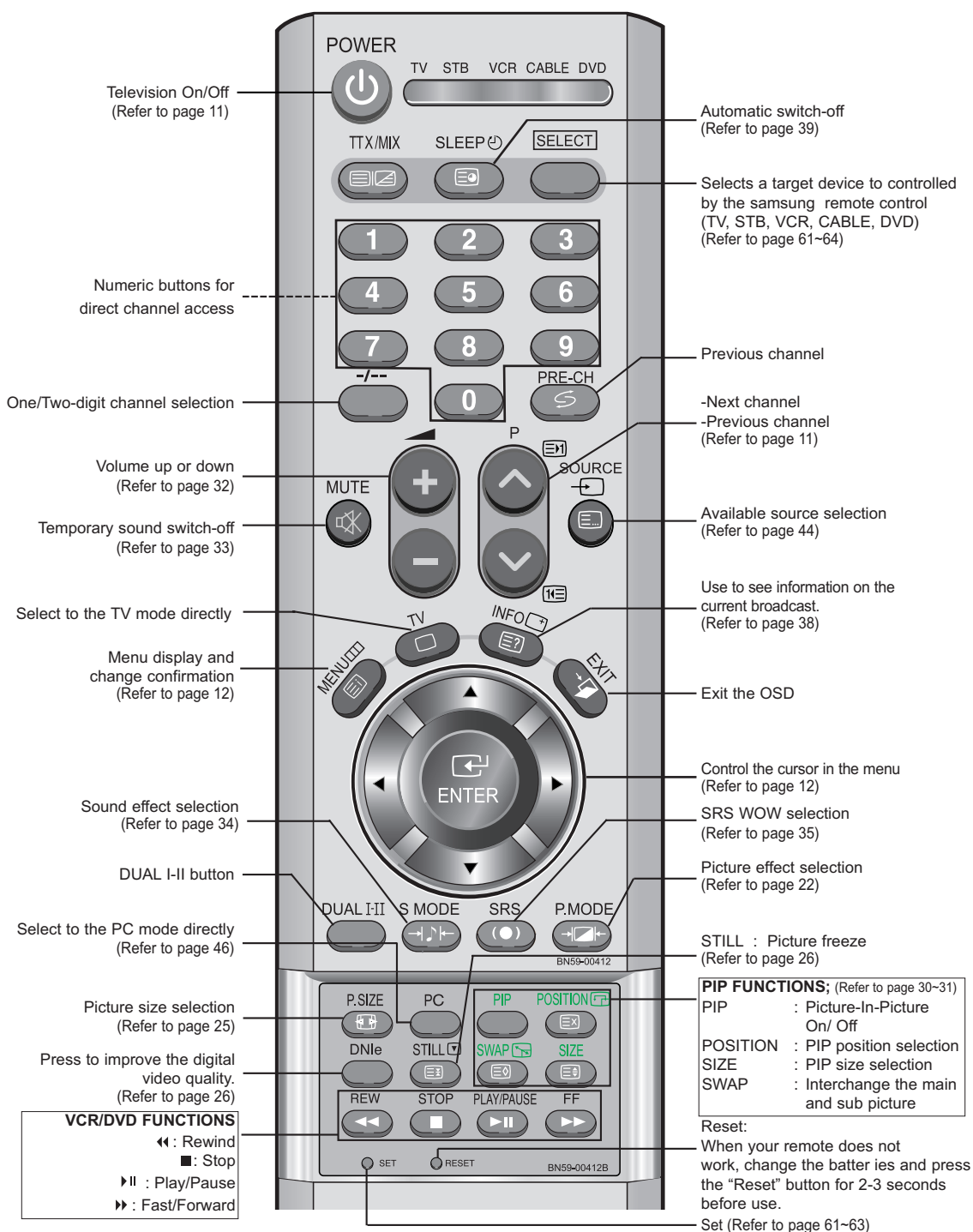
### ⑦ Connecting DVI

- Connect the **DVI** connector to the **DVD** connector.
- Connect the stereo audio cable to "**L - Audio - R**" on the rear of your set and the other end to "Audio Out" of the sound card on your DVD.
- DVI dose not support PC function.

| Source        | Video                | Horizontal Frequency<br>(kHz) | Vertical Frequency<br>(Hz) | Resolution<br>(Lines) |
|---------------|----------------------|-------------------------------|----------------------------|-----------------------|
| <b>Source</b> | PAL                  | 15.625                        | 50                         | 575                   |
|               | SECAM                | 15.625                        | 50                         | 575                   |
|               | NTSC4.43             | 15.734                        | 60                         | 483                   |
|               | NTSC3.58 (Except RF) | 15.704                        | 60                         | 483                   |
| <b>DVI</b>    | 480/60i              | 15.734                        | 60                         | 483                   |
|               | 480/60p              | 31.469                        | 60                         | 483                   |
|               | 576/50i              | 15.625                        | 50                         | 576                   |
|               | 576/50p              | 31.250                        | 50                         | 576                   |
|               | 720/60p              | 45.000                        | 60                         | 720                   |
|               | 1080/50i             | 28.125                        | 50                         | 1080                  |
|               | 1080/60i             | 33.750                        | 60                         | 1080                  |

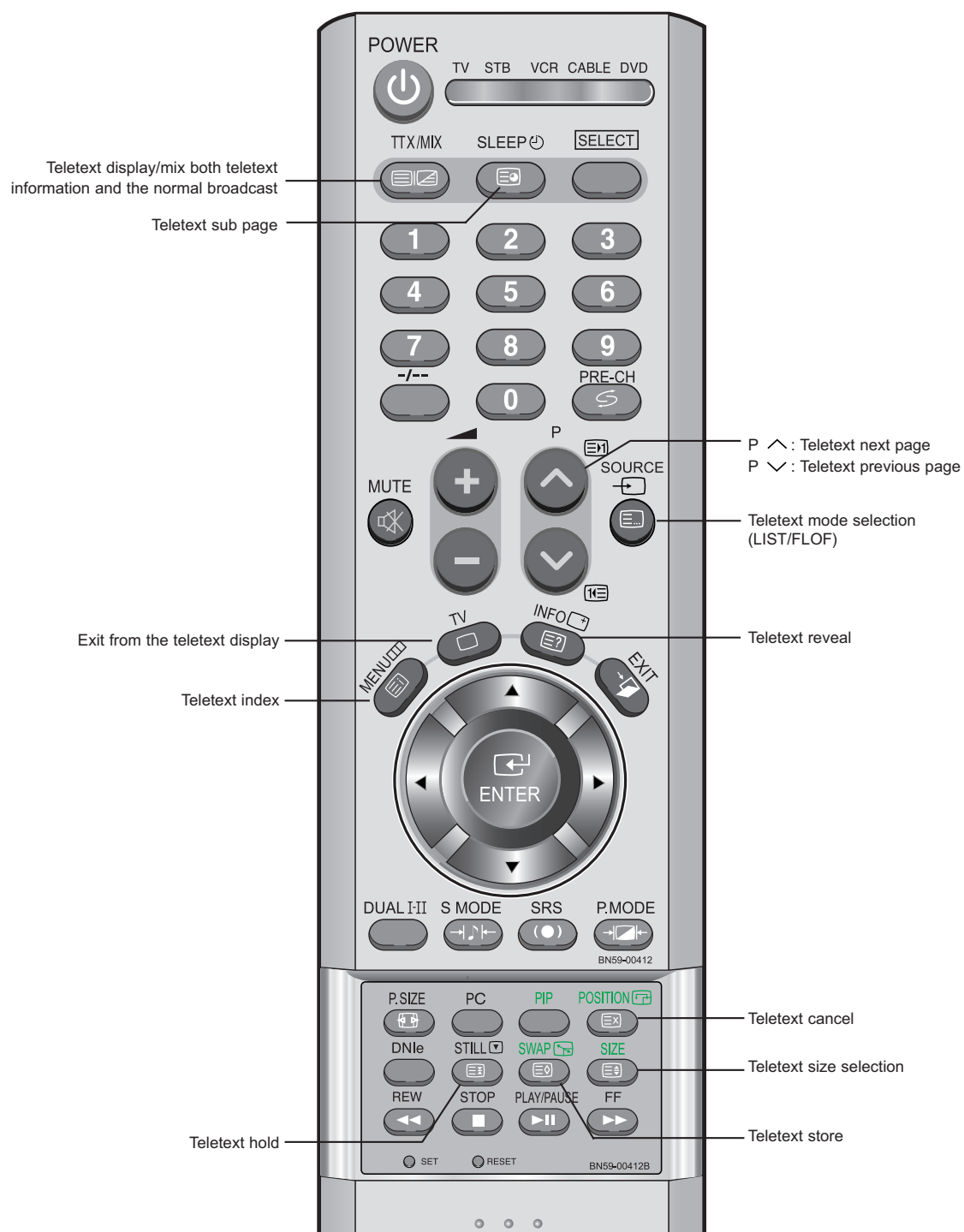


## Viewing the Remote Control (All Functions Except Teletext)



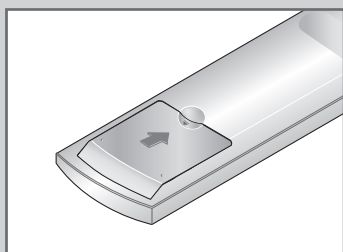
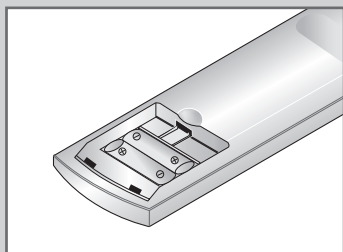
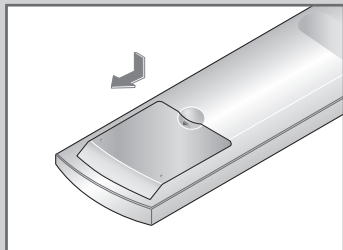
➤ The performance of the remote control may be affected by bright light.

## Viewing the Remote Control (Teletext Functions)



➤ Teletext Function : Refer to page 50-52 for details

## Installing Batteries in the Remote Control



**1** Slide the cover out completely.

**2** Install two AAA size batteries.

➤ Make sure to match the “+” and “-” ends of the batteries with the diagram inside the compartment.

**3** Replace the cover.

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

### ➤ The remote control doesn't work!

Check the following:

1. Is the TV power switch on?
2. Are the plus end and the minus end of the battery reversed?
3. Did the battery run out?
4. Is there a power outage?
5. Is the power cord unplugged?
6. Is there a special fluorescent light or a neon sign nearby?

## Switching On and Off

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

- ☞ If you have purchased this set in the United Kingdom, refer to page 60 for further instructions on plug wiring.

- 1 Plug the mains lead into an appropriate socket.  
Result: The main voltage is indicated on the rear of your set and the frequency is 50 or 60Hz.
- 2 Press the **POWER** (⏻) button on the right-side of your set.  
Result: The standby indicator right on the front panel.
- 3 Press the numeric button (0~9) or channel up/down (⏮⏭) button on the remote control or **C/P** ⏮ ⏭ button on the right-side of your set.  
Result: The programme that you were watching last is reselected automatically.  
➤ When you switch the set on for the very first time, you will be asked to choose language in which the menus are to be displayed (see page 14).
- 4 To switch your set off, press the **POWER** (⏻) button again.



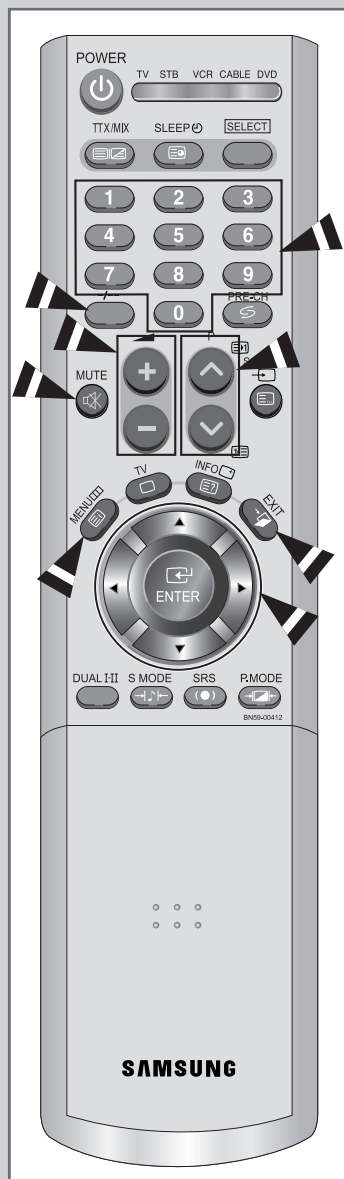
## Placing Your Television in Standby Mode

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

- 1 Press the **POWER** (⏻) button on the remote control.  
Result: The screen is turned off and an orange standby indicator appears on the front of your set.
- 2 To switch your set back on, simply press the **POWER** (⏻), numeric buttons (0~9) or channel up/down (⏮⏭) button again.  
➤ Do not leave your set in Standby mode for long periods of time (when you are away on holiday, for example).  
Turn your set off by pressing the **POWER** (⏻) button on the right-side of the set. It is best to unplug the set from the mains and aerial.  
➤ 1. Use of the 'POWER' button on the remote is possible only when the TV is in 'Power Saving' (standby) mode. If the TV is powered off, the remote cannot be used to turn the TV on.  
2. To retain the time and or automatic alarm settings, always put the TV in stand-by mode with the remote control. Use of the the power switch on the TV will clear all time related settings.  
[Benefit] This full 'power off' function is as effective as unplugging the power cable.  
TV switches to standby mode when powered off by the remote control. To return power (⏻) to the screen, press the remote control 'ON' or channel button (⏮). Pressing the power button on the TV does not return power to the screen because in this case, the TV restores the last mode, which was 'Power Saving'.



## Becoming Familiar with the Remote Control



The remote control is used mainly to:

- ◆ Change channels and adjust the volume
- ◆ Set up your set using the on-screen menu system

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

| Button           | Viewing Function  | Menu Function  |
|------------------|---|--|
|                  | Used to display the next stored channel.  | -  |
|                  | Used to display the previous stored channel.  | -  |
|                  | Used to display the corresponding channels.<br>➤ For double digit channels, the second digit must be pushed immediately after the first. Failure to do this will result in a single digit channel being displayed.                | -  |
| -/--             | Used to select a channel numbered ten or over. Press this button, and enter the two digit channel number.   | -  |
| +                | Used to increase the volume.  | -  |
| -                | Used to decrease the volume.  | -  |
| <b>MUTE</b><br>  | Used to switch the sound off temporarily.<br>➤ To turn the sound back on, press this button again, or press the  button.  | -  |
| <b>MENU</b><br>  | Used to display the on-screen menu system.  | Used to return to the previous menu or normal viewing. |
| <b>EXIT</b><br>  | Used to exit the On-Screen menu system.   |  |
|                  | <b>▲ ▼</b> Used to move among the menu items.<br><b>▶</b> Used to select a menu item or increase the value of the selected item.<br><b>◀</b> Used to return to the previous menu item or decrease the value of the selected item. |  |
| <br><b>ENTER</b> | -   | Used to confirm your choice.                           |

## Plug and Play

*When the set is initially powered ON, several basic customer settings proceed automatically and subsequently.  
The following settings are available.*

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

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

- 2 Select the appropriate **Language** by pressing the ▲ or ▼ button.

➤ The available languages are listed.  
You can choose one of 18 languages.

- 3 Press the **ENTER** (↵) button to confirm your choice.

Result: The message **Antenna Input Check** is displayed with the **OK** is selected.

- 4 Press the **ENTER** (↵) button.

Result: The following countries are available:  
**Belgie - Deutschland - Espania - France -  
Italia - Nederland - Schweiz - Sverige - UK -  
East Europe -Others**

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

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

- 6 Press the **ENTER** (↵) button.

Result: The channel search will start and end automatically.

- 7 Select the **Hour** or **min** by pressing the ◀ or ▶ button.  
Set the **Hour/min** by pressing the ▲ or ▼ button.  
(Refer to "Setting and Displaying the Current Time" on page 38)

- 8 Press the **MENU** (≡) button to confirm your setting.

Result: The message **Enjoy your watching** is displayed, and then the channel which has been stored will be activated.



### Plug & Play

#### Language

English

Deutsch

Francias

Nederland

Espanol

Italiano

◀ Move

↵ Enter

≡ Skip

#### Plug & Play

Antenna Input Check

Ok

Clock

◀ Move

↵ Enter

≡ Skip

#### Country

▲

Schweiz

Sverige

UK

East Europe

Others

◀ Move

↵ Enter

≡ Skip

#### Auto Store

48 MHz P 1 - -

0 %

Start

Exit

◀ Move

↵ Enter

≡ Skip

#### Clock

Hour

min

▲

▼

↵

↵

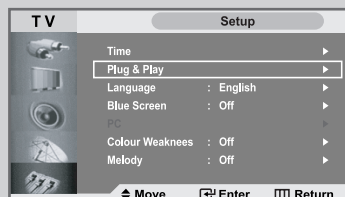
◀ Move

↵ Adjust

≡ Skip

Enjoy your watching

## Plug and Play

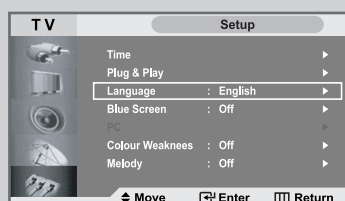


Plug & Play

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

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.  
Press the **ENTER** button.  
Result: The options available in the **Setup** group are displayed.
- 3 Press the **▲** or **▼** button to select **Plug & Play**.
- 4 Press the **ENTER** button.  
Result: The message is **Plug & Play** displayed.
- 5 For further details on how to set, refer to the previous page.

## Choosing Your Language



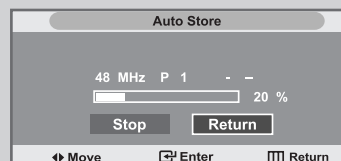
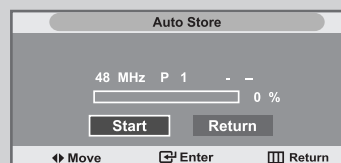
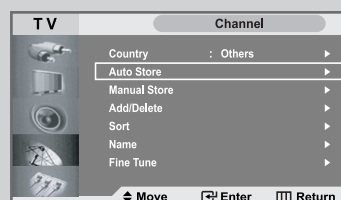
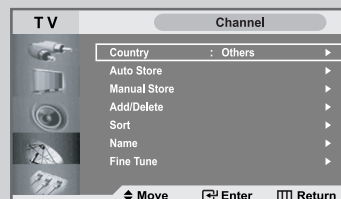
*When you start using your set for the first time, you must select the language which will be used for displaying menus and indications.*

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.  
Result: The options available in the **Setup** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Language**.  
Press the **ENTER** button.  
Result: The available languages are listed.
- 5 Select a particular language by pressing the **▲** or **▼** button repeatedly.  
Press the **ENTER** button.  
➤ You can choose one of 18 languages.
- 6 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.

## Storing Channels Automatically

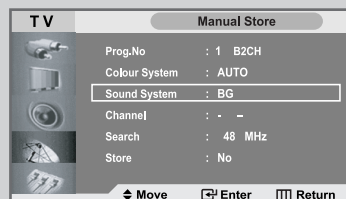
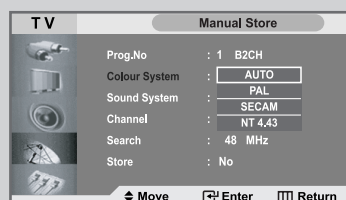
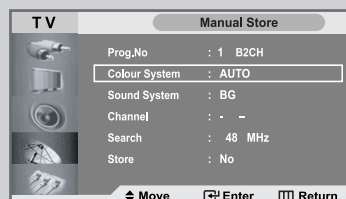
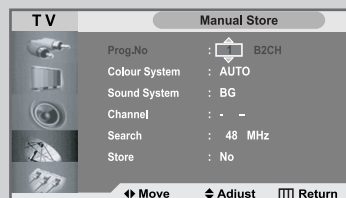
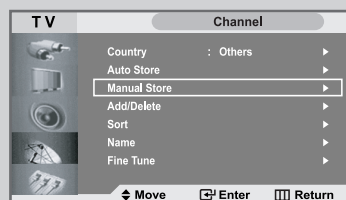
*You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.*

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.  
Result: The options available in the **Channel** group are displayed.
- 3 Press the **ENTER** button.  
Result: The **Country** is selected.
- 4 Press the **ENTER** button again. Select your **Country** by pressing the **▲** or **▼** button repeatedly.  
Result: The following countries are available:  
**Belgie - Deutschland - Espania - France - Italia - Nederland - Schweiz - Sverige - UK - East Europe - Others**
- 5 Press the **ENTER** button.
- 6 Press the **▲** or **▼** button to select **Auto Store**. Press the **ENTER** button.  
Result: The **Start** is selected.
- 7 Press **ENTER** button to search the channels. The sub menu is changed from **Start** to **Stop** with channel search started.  
Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range (with lowest first and highest last). The programme originally selected is then displayed.  
➤ To return to the previous menu, press **◀** or **▶** button to select **Return** and then press **ENTER** button.  
➤ To stop the search before it has finished, press **ENTER** button with stop selected.
- 8 When the channels have been stored, you can:
  - ◆ Sort them in the order required (refer to page 19)
  - ◆ Assign a name to the stored channels (refer to page 20)
  - ◆ Add or delete the channels (refer to page 18)
  - ◆ Fine tune channel reception if necessary (refer to page 21)





## Storing Channels Manually



You can store up to 100 channels, including those received via cable networks. When storing channels manually, you can choose:

- ◆ Whether or not to store each of the channels found
- ◆ The programme number of each stored channel which you wish to identify

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the **ENTER** button.

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

Result: The options available in the **Manual Store** menu are displayed with **prog.No** selected.

- 5 Press the **ENTER** button again. To assign a programme number to a channel, find the correct number by pressing the **▲** or **▼** button and then press the **ENTER** button.

- 6 Press the **▲** or **▼** button to select **Colour System** and then press the **ENTER** button. Select the **Colour System** required by pressing the **▲** or **▼** button repeatedly and then press the **ENTER** button.







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

- 7 Press the **▲** or **▼** button to select **Sound System** and then press the **ENTER** button. Select the sound standard required by pressing the **▲** or **▼** button repeatedly and then press the **ENTER** button.

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

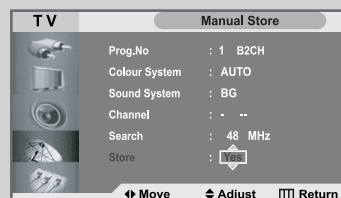
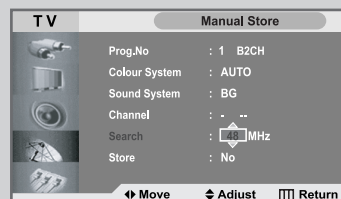
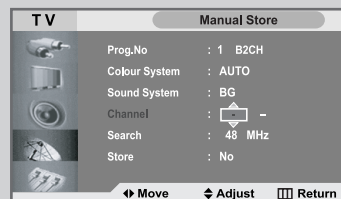
- 8 For all the channels to move to the required channel numbers, repeat steps 5 to 7 after selecting **prog.No** by pressing **▲** or **▼** button.

## Storing Channels Manually

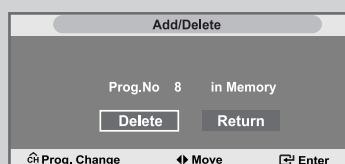
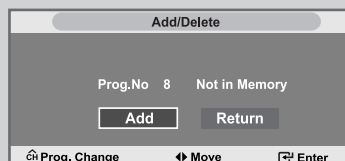
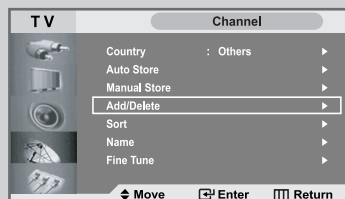
- 9** If you know the number of the channel to be stored...
- ◆ Press the ▲ or ▼ button to select **Channel** and then press the **ENTER**  button.
  - ◆ Select **C** (Air channel) or **S** (Cable channel) by pressing the ▲ or ▼ button.
  - ◆ Press the ► button to select Channel.
  - ◆ Select the required number by pressing the ▲ or ▼ button and then press the **ENTER**  button.
- If there is abnormal sound or no sound, re-select the sound system required.
- 10** If you do not know the channel numbers, press the ▲ or ▼ button to select **Search** and then press the **ENTER**  button.  
**Search** by pressing ▲ or ▼ button and then press the **ENTER**  button.
- Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.
- 11** Press the ▲ or ▼ button to select **Store** and then press the **ENTER**  button.  
 Select **Yes** by pressing the ▲ or ▼ button and then press the **ENTER**  button.
- Result: The channel and associated programme number are stored.
- 12** Repeat Steps 9 to 11 for each channel to be stored.

### Channel mode

- ◆ **P** (Programme mode): When tuning is completed, the broadcasting stations in your area will have been assigned to position numbers from P00 to 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 broadcast station in this mode.
- ◆ **S** (Cable channel mode): You can select a channel by entering the assigned number to each cable channel in this mode.



## Editing the Channels



*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 channels that you do not specifically choose to skip are displayed during scanning.*

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.  
Press the **ENTER** button.  
Result: The options available in the **Channel** group are displayed.
- 3 Press the **▲** or **▼** button to select **Add/Delete**.  
Press the **ENTER** button.  
Result: The state of current channel is displayed.
- 4 Press the **↖/↗** button to select **Channel** that you wish to **Add** or **Delete**.  
Result: If the channel that you wish to edit is not in memory, the **Add** is selected and displayed.  
Otherwise, if the channel that you wish to edit is in memory, the **Delete** is selected and displayed.
- 5 Press the **ENTER** button to **Add** or **Delete** channel.
- 6 To return to the previous menu, select **Return** by pressing the **◀** or **▶** button and then press the **ENTER** button.
- 7 Repeat Step 4 and 6 for each channel to be added or deleted.

## Sorting the Stored Channels

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

- ◆ *Modify the numeric order in which the channels have been automatically stored.*
- ◆ *Give easily remembered numbers to the channels that you watch most often.*

- 1 Press the **MENU** button.


Result: The main menu is displayed.

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


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

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

Result: The **Prog.No**, **Channel** and **Name** are displayed.

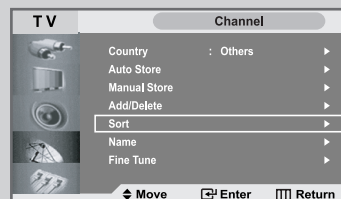
- 4 Select the **Channel** number that you wish to change by pressing the **▲** or **▼** button repeatedly.  
Press the **ENTER**  button.

Result: The selected **Channel** number and **Name** is moved to right side.

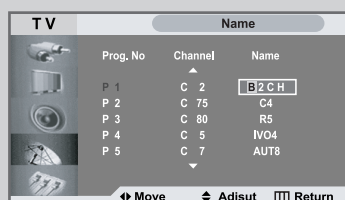
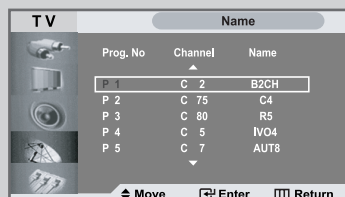
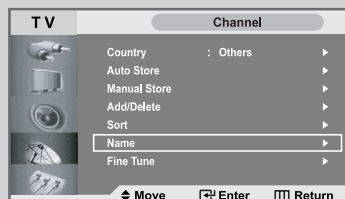
- 5 Press the **▲** or **▼** button to move to the position which you would like to change and then press the **ENTER**  button.

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

- 6 Repeat step 4 to 5 for another channel to sort again.



## Assigning Channels Names



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

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

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

Result: The current **Prog.No**, **Channel** and **Name** are displayed.

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

Result: The selection bar is displayed around the name box.

| 5 To...                           | Then...                               |
|-----------------------------------|---------------------------------------|
| Select a letter, number or symbol | Press the <b>▲</b> or <b>▼</b> button |
| Move on the next letter           | Press the <b>▶</b> button             |
| Move back the previous letter     | Press the <b>◀</b> button             |
| Confirm the name                  | Press the <b>ENTER</b> button         |






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

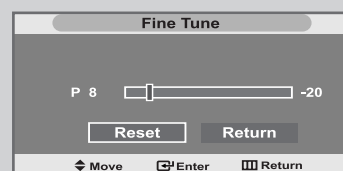
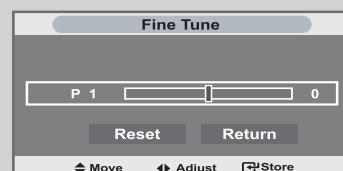
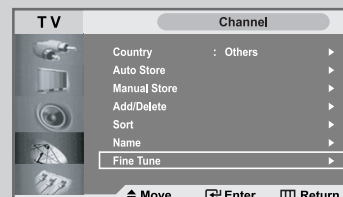
- 6 Repeat Steps 4 to 5 for each channel to be assigned to a new name.

- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

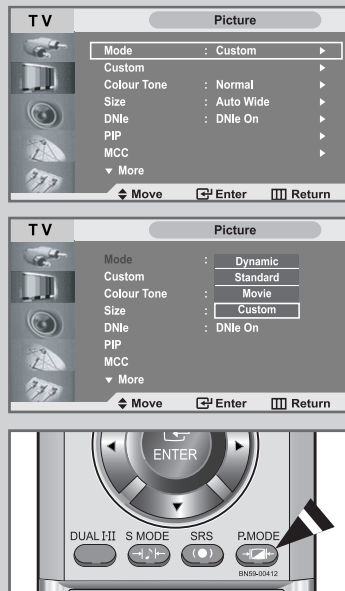
## Fine Tuning Channel Reception

*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 however the signal is weak or distorted, you may have to fine-tune the channel manually.*

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.  
Press the **ENTER**  button.  
Result: The options available in the **Channel** group are displayed.
- 3 Press the **▲** or **▼** button to select **Fine Tune**.  
Press the **ENTER**  button.
- 4 Press the **◀** or **▶** button to reach the required setting.  
Press the **ENTER**  button.  
To reset the fine tuning, select **Reset** by pressing **▲** or **▼** button and then press the **ENTER**  button.  
To return to the previous menu, select **Return** by pressing **◀** or **▶** button and press the **ENTER**  button.



## Changing the Picture Standard



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

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the **ENTER** button.

Result: The **Mode** is selected.




- 4 Press the **ENTER** button again.  
Select the required picture effect by pressing the **▲** or **▼** button repeatedly.

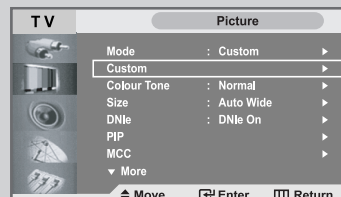
Result: The following picture effects are available:  
**Dynamic - Standard - Movie - Custom**

- You can also display simply by pressing the **P.MODE** (Picture Mode) button.

## Adjusting the Custom Picture

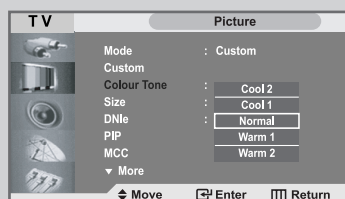
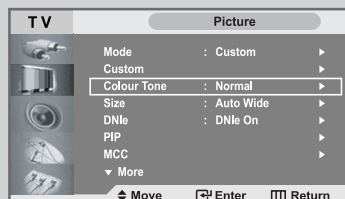
*Your set has several settings which allow you to control picture quality.*

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.  
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER**  button.
- 4 Press **▲** or **▼** button to select **Custom** and press the **ENTER**  button.
- 5 Select the option (**Contrast**, **Brightness**, **Sharpness**, **Colour**) to be adjusted by pressing the **▲** or **▼** button. Press the **ENTER**  button.  
Result: The horizontal bar is displayed.
- 6 Press the **◀** or **▶** button to reach the required setting.
- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.





## Changing the Colour Tone



*You can select the most comfortable colour tone to your eye.*

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Colour Tone** and press **ENTER** button. Select the required option by pressing the **▲** or **▼** button repeatedly.

Result: The following options are available:  
**Cool2 - Cool1 - Normal - Warm1 - Warm2**

- 5 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.

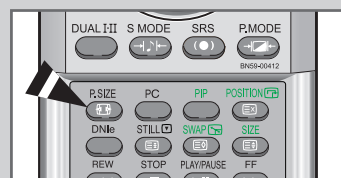
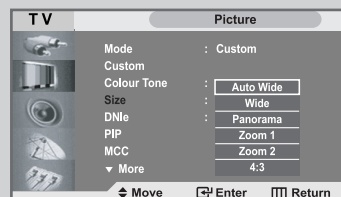
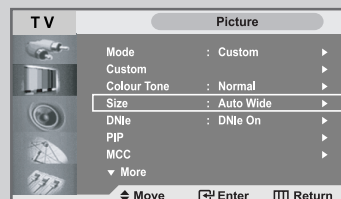
## Changing the Picture Size

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

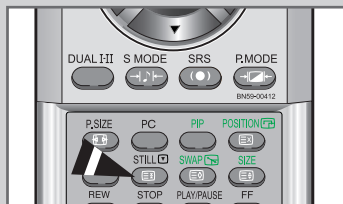
- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.  
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press **▲** or **▼** button to select **Size** and press the **ENTER** button.
- 5 Select the required option by pressing the **▲** or **▼** button repeatedly.  
Press the **ENTER** button.

Result: The following options are available:  
**Auto Wide – Wide – Panorama – Zoom1 – Zoom2 – 4:3**

- ◆ You can select these options by simply pressing the **P.SIZE**(Picture Size) button on the remote control.
- ◆ When the picture size is selected to Auto Wide, the PIP feature will work.
- ◆ In PC Mode, only Wide and 4:3 mode can be adjusted.
- ◆ In Zoom 1 or 2, use **▲** or **▼** button to move the picture.

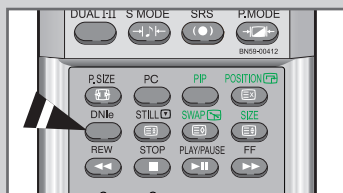
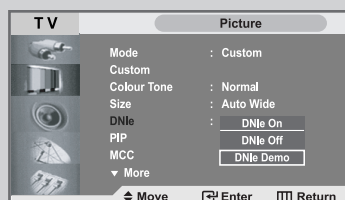
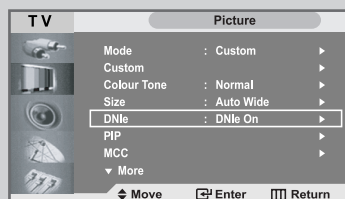


## Freezing the Current Picture



*Press the "STILL" button to freeze a moving picture into a still one. Press again to cancel.*

## DNle(Digital Natural Image engine)



*Samsung's New Technology brings you more detailed images with contrast and white enhancement. A new image compensation algorithm gives viewers brighter and clearer image. DNle technology will match every signal to your eye.*

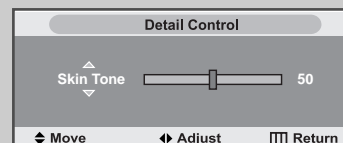
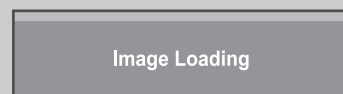
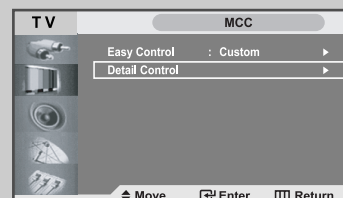
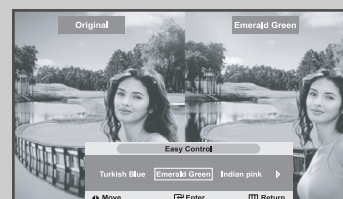
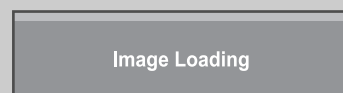
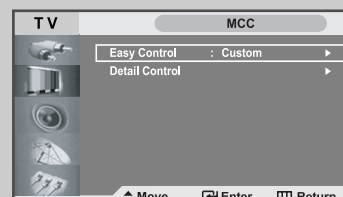
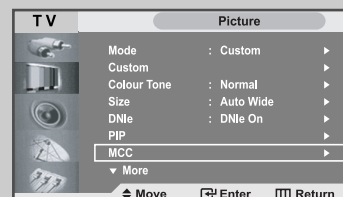
- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.  
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **DNle** and then press the **ENTER** button.  
Select the required option by pressing the **▲** or **▼** button.  
The following options are available:
  - You can also select these options by simply pressing the **DNle** button.
  - **DNle On** Improved picture mode demonstrated by DNle Demo is activated.
  - DNle Off** The mode is deactivated and the screen returns to its original condition.
  - DNle Demo** The screen shows the improved image on the left-hand side and the original image on the right-hand side.
- 5 When you are satisfied with your choice, press the **EXIT** button to return to normal viewing.

## MCC (My Colour Control)

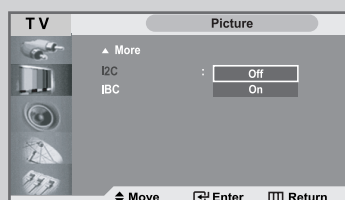
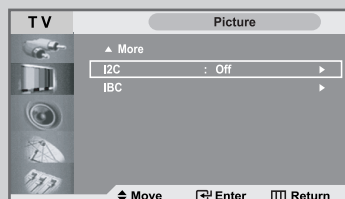
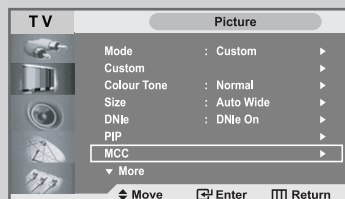
**MCC (My Colour Control)** is to adjust the most preferred colours such as **Skin Tone, Green Grass, Blue Sky** without interfering with other colours in order for each consumer to enjoy screen colour of their choice.

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.  
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **MCC** and then press the **ENTER** button.  
Result: The options available in the **MCC** menu are displayed.
- 5 Press the **▲** or **▼** button to select **Easy Control** and press **ENTER** button. Select a source of the sub picture by pressing the **◀** or **▶** button and press the **ENTER** button.  
Result: The sources are displayed in the following order:  
**Turkish Blue - Emerald Green - Indian Pink - Standard - Custom**
- 6 Press the **▲** or **▼** button to select **Detail Control** and press **ENTER** button. Select a source of the sub picture by pressing the **▲** or **▼** button and press the **ENTER** button.  
Result: The sources are displayed in the following order:  
**Skin Tone - Green Grass - Blue Sky- Reset**
- 7 Press the **◀** or **▶** button to reach the required setting.
- 8 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

➤ This function doesn't work when Source is in PC mode, or DNLe is in off mode.



## I2C (Intelligent Image Control)



*I2C (Intelligent Image Control) is to automatically detect distribution of inputted visual signal and adjust to create optimum contrast.*




- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.  
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **I2C**.  
Press the **ENTER** button.  
Result: The **I2C** menu is displayed.
- 5 Select **On** by pressing **▲** or **▼** button.  
Press the **ENTER** button.
- 6 When it has finished, press the **EXIT** button to return to normal viewing.



This function doesn't work when Source is in PC mode, or DNLe is in off mode.

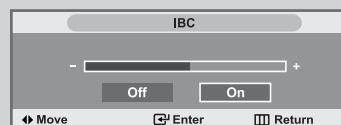
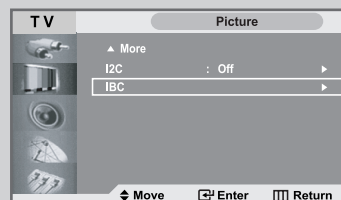
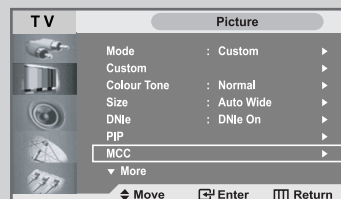
## IBC (Intelligent Brightness Control)

*IBC (Intelligent Brightness Control) is to adjust brightness of screen either automatically or manually by detecting brightness of surrounding environment using light detecting sensor.*

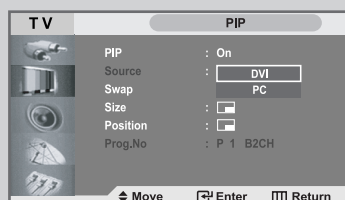
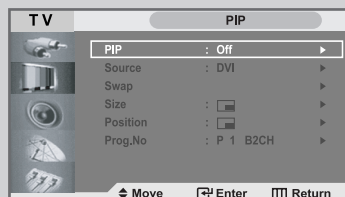
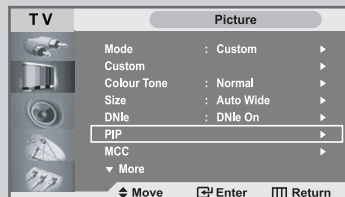
- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Picture**.  
Result: The options available in the **Picture** group are displayed.
- 3 Press the **ENTER**  button.
- 4 Press the **▲** or **▼** button to select **IBC**.  
Press the **ENTER**  button.  
Result: The **IBC** menu is displayed.
- 5 Select **On** by pressing **◀** or **▶** button.  
Press the **ENTER**  button.  
Result: Brightness on the screen is adjusted automatically according to brightness of surrounding environment.
- 6 When it has finished, press the **EXIT** button to return to normal viewing.



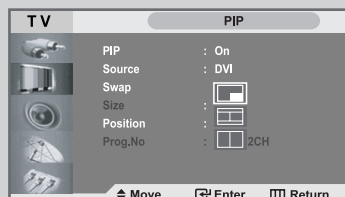
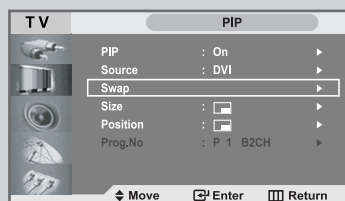
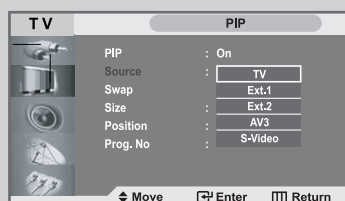
This function doesn't work when Source is in PC mode, or DNle is in off mode.



## Viewing the Picture In Picture (PIP)



### [PC/DVI Only]



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

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **PIP** and then press the **ENTER** button.

Result: The options available in the **PIP** menu are displayed.

- 5 Press the **ENTER** button again. Select **On** by pressing the **▲** or **▼** button and then press the **ENTER** button.

- 6 Press the **▲** or **▼** button to select **Source** and press **ENTER** button. Select a source of the sub picture by pressing the **▲** or **▼** button and press the **ENTER** button.

Result: The sources are displayed in the following order:  
When main picture is set to TV/Ext.1/Ext.2/S-Video, only DVI/PC can be selected and when main picture is set to DVI/PC, TV/Ext.1/Ext.2/S-Video can be selected.

- 7 Press the **▲** or **▼** button to select **Swap**. To interchange the main picture and the sub picture, select **Swap** option and press the **ENTER** button.

Result: The main picture and the sub picture are interchanged.

- 8 Press the **▲** or **▼** button to select **Size** of sub picture and then press the **ENTER** button. Select a size of the sub picture by pressing the **▲** or **▼** button and then press the **ENTER** button.



Result: The sizes are displayed in the following order



## Viewing the Picture In Picture (PIP)

- 9 Press the **▲** or **▼** button to select **Position** and then press the **ENTER** button.  
Select the position of sub picture by pressing the **▲** or **▼** button and then press the **ENTER** button.

**Result:** You can move the sub picture counterclockwise.

- When the size of sub picture is set to  or , this feature does not work.

- 10 Press the **▲** or **▼** button to select **prog.No** and then press the **ENTER** button.  
You can select the channel that you want to view through sub picture by pressing the **▲** or **▼** button.

**Result:** The memorized **prog.No** is displayed.

- **MAIN:PC/DVI, PIP:TV**

**"Prog.No" is inactive and not available in TV mode.**  
**However, they become active and available in PC/DVI mode.**

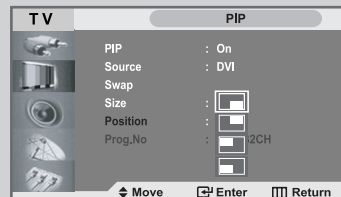
- 11 To return to normal viewing, press the **EXIT** button.

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

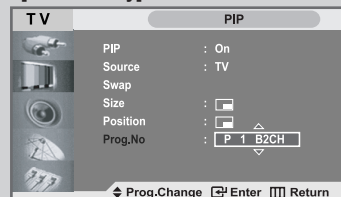
| Features        | Description   |
|-----------------|---|
| <b>PIP</b>      | Used to operate ON/OFF function of PIP directly.  |
| <b>SWAP</b>     | Used to interchange the main picture and the sub picture.<br>➤ When the main picture is in the Video mode and the sub picture is in the set mode, you 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. |
| <b>POSITION</b> | You also move the sub picture simply by pressing the <b>POSITION</b> button.  |
| <b>SIZE</b>     | Select a size of the sub picture by pressing the <b>SIZE</b> button.  |

- **PIP Settings**

| Main \ Sub | TV | Ext.1 | Ext.2 | AV3 | S-Video | DVI | PC |
|------------|----|-------|-------|-----|---------|-----|----|
| TV         | X  | X     | X     | X   | X       | 0   | 0  |
| Ext.1      | X  | X     | X     | X   | X       | 0   | 0  |
| Ext.2      | X  | X     | X     | X   | X       | 0   | 0  |
| AV3        | X  | X     | X     | X   | X       | 0   | 0  |
| S-Video    | X  | X     | X     | X   | X       | 0   | 0  |
| DVI        | 0  | 0     | 0     | 0   | 0       | X   | X  |
| PC         | 0  | 0     | 0     | 0   | 0       | X   | X  |



### [PC/DVI Only]





## Adjusting the Volume



*You can adjust the volume using your remote control.*

---

Press the **VOL(+)** button to increase the volume.

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.

---

Press the **VOL(-)** button to decrease the volume.

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 set.  
For further details, refer to pages **33** to **37**.

## Switching the Sound Off Temporarily

*You can switch the sound off temporarily.*

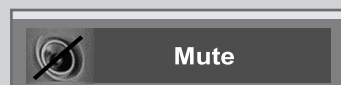
**Example:** *You wish to answer the telephone.*

- 1 Press the **MUTE** (⏏) button.

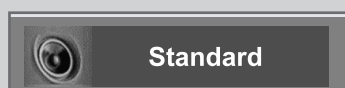
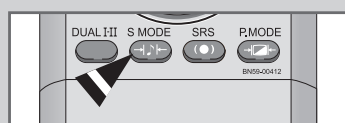
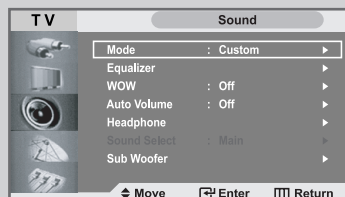
**Result:** The sound is switched off and “Mute” is displayed.

- 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 “Mute” indication disappears.



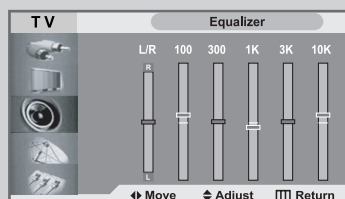
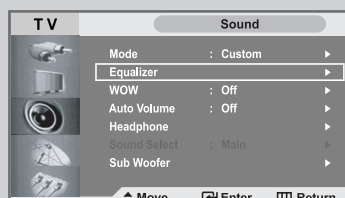
## Changing the Sound Standard



*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.
  - 4 Press the **ENTER** button again.  
Result: The **Mode** is selected.
  - 5 Select the required sound effect by pressing the **▲** or **▼** button repeatedly and then press the **ENTER** button.  
The following sound effects are available:  
**Standard - Music - Movie - Speech - Custom**
- You can also select these options by simply pressing the **S.MODE** (Sound Mode) button on the remote control.

## Adjusting the Sound Settings






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

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.  
Result: The options available in the **Sound** group are displayed.
- 3 Press the **ENTER** button.
- 4 Select **Equalizer** by pressing the **▲** or **▼** button and then press the **ENTER** button.
- 5 Select the required option by pressing the **◀** or **▶** button.
- 6 Press the **▲** or **▼** button to reach the required setting.
- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

## Selecting WOW Surround

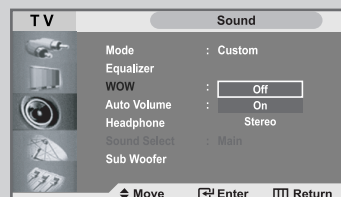
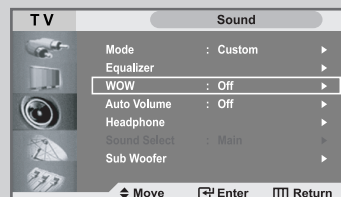
*Select the Wow Surround feature to amplify the mid- to low-range sounds or create a surround sound effect.*

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select the **Sound**.  
Result: The options available in the **Sound** group are displayed.
- 3 Press the **ENTER**  button.
- 4 Press the **▲** or **▼** buttons to select **WOW**.  
press the **ENTER**  button.
- 5 Press the **▲** or **▼** button to select **Off/On**.  
Press the **ENTER**  button.
- 6 Press the **EXIT** button to return to normal viewing.

➤ Select On/Off with **SRS** button on the remote control as well.






is a trademark of SRS Labs, Inc.  
WOW technology is incorporated under license from SRS labs, Inc.

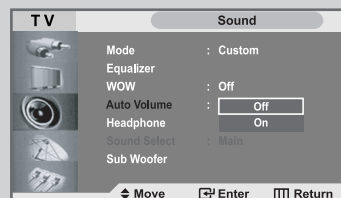
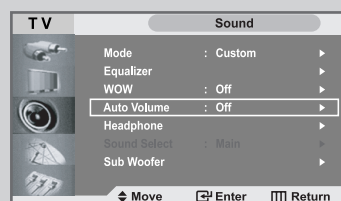


## Adjusting the Volume Automatically

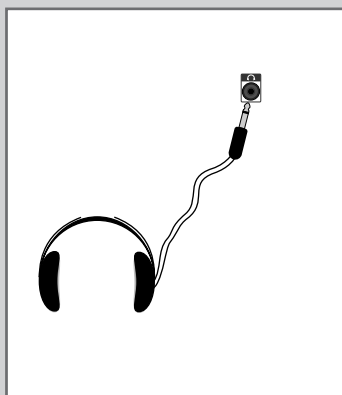
*Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed.*

*This feature 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 Press the **▲** or **▼** button to select **Sound**.  
Press the **ENTER**  button.  
Result: The options available in the **Sound** group are displayed.
- 3 Press the **▲** or **▼** button to select **Auto Volume**.  
Press the **ENTER**  button.
- 4 Select the required option (**Off** or **On**) by pressing the **▲** or **▼** button.  
Press the **ENTER**  button.
- 5 Press the **EXIT** button to return to normal viewing.



## Connecting Headphones



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

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

- 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.
- You will not receive sound from the speakers when you connect headphones to the system.

## Adjusting Your Headphone Preferences

*You can adjust the headphone settings to suit your preferences.*

*The following headphones settings are available:*

◆ **Volume, Balance, Bass, Treble.**



- 1 Press the **MENU** button.  
**Result:** The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.  
**Result:** The options available in the **Sound** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Headphone**. Press the **ENTER** button.  
**Result:** The **Headphone** sound menu (**Volume, Balance, Bass, Treble**) is displayed.

| To...               | Then...                                |
|---------------------|--|
| Change the option   | Press the <b>▲</b> or <b>▼</b> button. |
| Change a setting    | Press the <b>◀</b> or <b>▶</b> button. |
| Confirm the changes | Press the <b>ENTER</b> button.         |

## Listening to the Sound of the Sub Picture

*During the PIP feature is activating, you can listen to the sound of the sub picture.*

- 1 Press the **MENU** button.

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

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

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

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Sound Select** and then press the **ENTER** button.

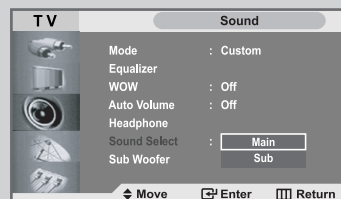
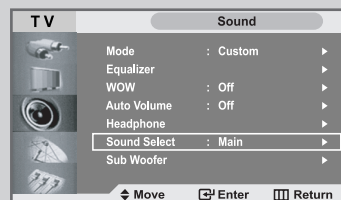
**Result:** **Main** and **Sub** are displayed.

➤ When the PIP option only be "On", you can select these option.

- 5 Select the **Sub** by pressing the **▲** or **▼** button. Press the **ENTER** button.

**Result:** You can listen to the sound of the sub picture.

➤ To listen the sound of current main picture, set to **Main**.



## Sub Woofer

*Sub Woofer is a speaker that complements front speaker's reproduction capability of low-pitched sound.*

- 1 Press the **MENU** button.

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

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

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

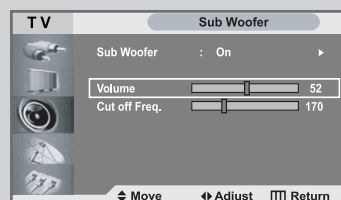
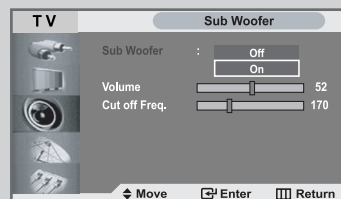
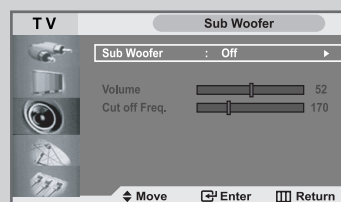
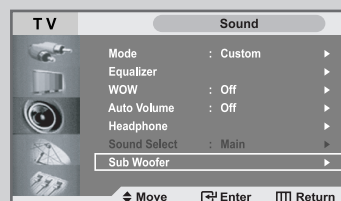
- 3 Press the **ENTER** button.

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

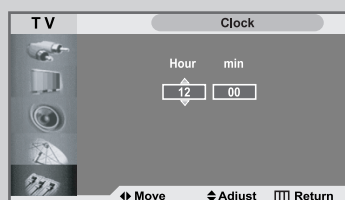
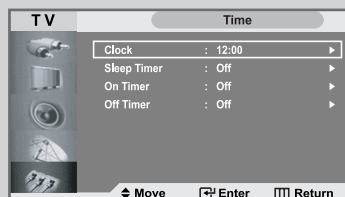
- 5 After pressing the **ENTER** button, select the required option "On" by pressing the **▲** or **▼** button.

**Result:** The **Sub Woofer** menu (**Volume**, **Cut off Freq.**) is displayed.

| To...               | Then...                                |
|---------------------|--|
| Change the option   | Press the <b>▲</b> or <b>▼</b> button. |
| Change a setting    | Press the <b>◀</b> or <b>▶</b> button. |
| Confirm the changes | Press the <b>ENTER</b> button.         |



## Setting and Displaying the Current Time



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

➤ If you disconnect the power cord or switch off the power on the right-side of panel, you have to set the clock again.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the **ENTER** button.

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

- 4 Press the **ENTER** button.





| 5 To...                           | Press the...  |
|-----------------------------------|---------------|
| Move to <b>Hour</b> or <b>min</b> | ◀ or ▶ button |
| Set the hour or minute            | ▲ or ▼ button |

- 6 When you have satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

| 7 To display the...                                  | Press the... |
|--|--------------|
| Current time and selected audio/video setting status | INFO button  |

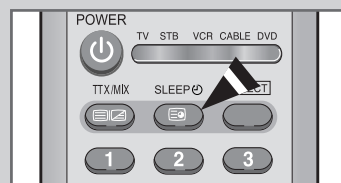
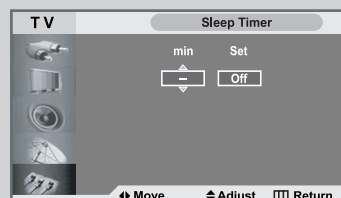
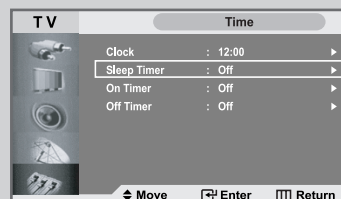
## Setting the Sleep Timer

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

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.  
Press the **ENTER**  button.  
Result: The options available in the **Setup** group are displayed with **Time** selected.
- 3 Press the **ENTER**  button.  
Result: The **Time** menu is displayed with **Clock** selected.
- 4 Press the **▲** or **▼** button to select **Sleep Timer**.  
Press the **ENTER**  button.
- 5 Press the **▲** or **▼** button repeatedly and cycle through the preset time intervals (–, 30, 60, 90, 120, 150, 180).  
Result: The TV automatically switches to standby mode when the timer reaches 0.
- 6 To cancel the sleep timer function, select **Set** by pressing the **◀** or **▶** button and then select **"Off"** by pressing the **▲** or **▼** button.  
Press the **ENTER**  button.
- 7 Press the **EXIT** button to return to normal viewing.

You can set the sleep timer by simply pressing the "SLEEP" button on the remote control.

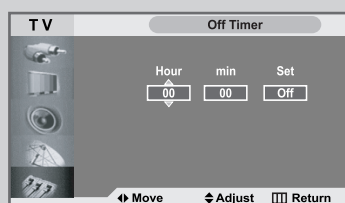
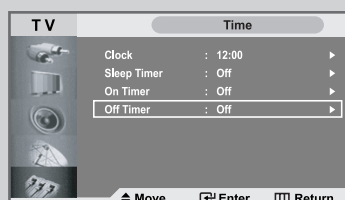
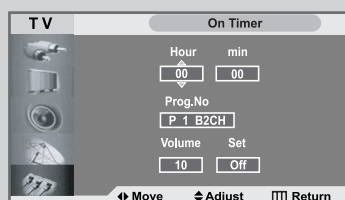
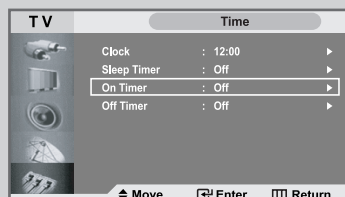
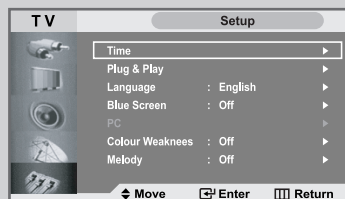
- 1 Press the **SLEEP** button on the remote control.  
Result: If the sleep timer is not yet set, **Off** is displayed.  
Otherwise, the remaining time before which the television switches to Standby mode is displayed.
- 2 Select the preset time interval for staying on by pressing the **SLEEP** button repeatedly.



**Sleep : 30 min**



## Switching the Television On and Off Automatically



You can set the On/Off timers so that the set 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 page 38 ).

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the **ENTER** button.

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

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

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

- 5 Set the time, channel and volume level at which you wish the set to be switched on.

| To...   | Press the...  |
|---|---------------|
| Move to <b>Hour</b> , <b>min</b> , <b>Prog.No</b> and <b>Volume</b> | ◀ or ▶ button |
| Set Hour, Minute, Prog.No. and Volume level                         | ▲ or ▼ button |
| Move to <b>Set</b>  | ◀ or ▶ button |
| Select <b>On</b> to enable above setting                            | ▲ or ▼ button |
| Press the <b>ENTER</b> button.                                      |               |

- 6 Press the **▲** or **▼** button to select **Off Timer**.  
In the same way, set the time at which you wish the set to be switched off automatically.

## Setting the Blue Screen Mode

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


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


- 1 Press the **MENU** button.

Result: The main menu is displayed.

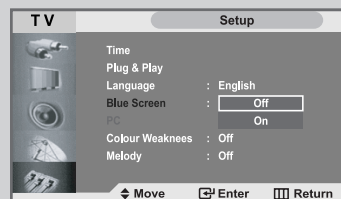
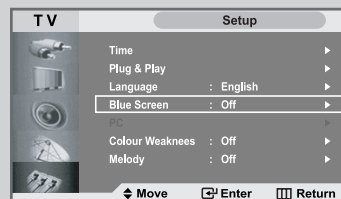
- 2 Press the **▲** or **▼** button to select **Setup**.  
Press the **ENTER**  button.

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

- 3 Press the **▲** or **▼** button to select **Blue Screen**.  
Press the **ENTER**  button.

- 4 Select the required option (**On** or **Off**) by pressing the **▲** or **▼** button.  
Press the **ENTER**  button.

- 5 Press the **EXIT** button to return to normal viewing.



## Colour Weakness



*Colour Weakness is a feature that enables those with a colour Weakness to view images as those with normal colour vision do. The feature provides nine different colour adjustment layers each for red, green and blue.*

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.  
Press the **ENTER** button.  
Result: The options available in the **Setup** group are displayed.
- 3 Press the **▲** or **▼** button to select **Colour Weakness**.  
Press the **ENTER** button.
- 4 Press the **ENTER** button.  
Select the required option (**On** or **Off**) by pressing the **▲** or **▼** button.
- 5 Press the **ENTER** button.  
Press the **▲** or **▼** button to select **Red**, **Green** and **Blue**.  
Press the **ENTER** button.
- 6 Press the **◀** or **▶** button to adjust the **Colour Weakness**.
- 7 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

## Selecting the Melody

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


- 1 Press the **MENU** button.

Result: The main menu is displayed.

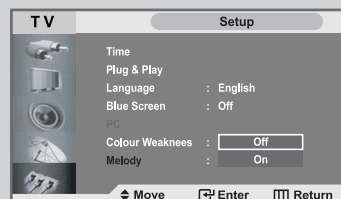
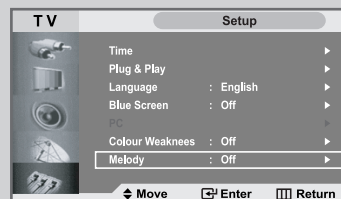
- 2 Press the **▲** or **▼** button to select **Setup**.  
Press the **ENTER**  button.

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

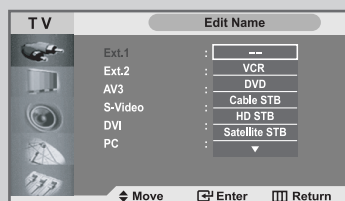
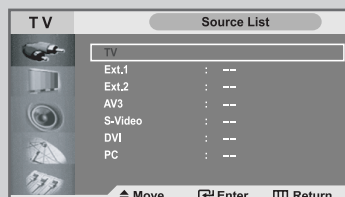
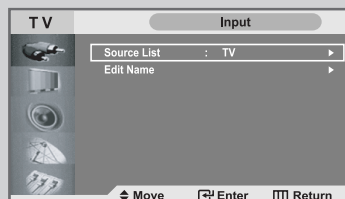
- 3 Press the **▲** or **▼** button to select **Melody**.  
Press the **ENTER**  button.

- 4 Select the required option (**Off** or **On**) by pressing the **▲** or **▼** button.  
Press the **ENTER**  button.

- 5 Press the **EXIT** button to return to normal viewing.



## Selecting a Device from External Sources



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

- 1 Press the **MENU** button.  
Press the **ENTER** button to select **Input**.  
Result: The options available in the **Input** group are displayed.
- 2 Press the **ENTER** button.  
Result: The options available in the **Source List** menu are displayed.
- 3 Select the required device by pressing the **▲** or **▼** button.  
Press the **ENTER** button.
- 4 Repeat Step 1.  
Press the **▲** or **▼** button to select **Edit Name**.  
Press the **ENTER** button.  
Result: The options available in the **Edit Name** menu are displayed.
- 5 Select the device that you wish to edit by pressing the **▲** or **▼** button.  
The following options are available:  
**Ext.1 - Ext.2 - AV3 - S-Video - DVI - PC**
- 6 Press the **ENTER** button.
- 7 Select the required device by pressing the **▲** or **▼** button repeatedly.  
The following options are available:  
**---- - VCR - DVD - Cable STB - HD STB - Satellite STB - AV Receiver - DVD Receiver - Game - Camcorder - DVD Combo - DHR - PC**
- 8 When you are satisfied with the setting, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

## Viewing Pictures from External Sources

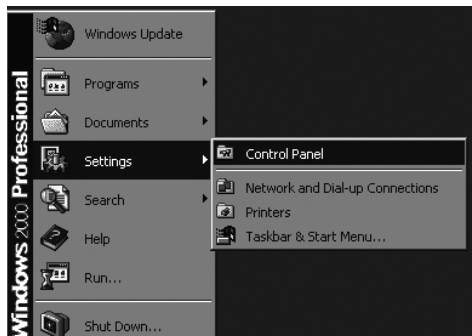


*Once you have connected up your various audio and video systems, you can view the different sources by selecting the appropriate input.*

- 1 Check that all the necessary connections have been made.
- 2 Press the **SOURCE** button.  
Result: The edited device and audio status are displayed on Top-left of the set.
- 3 Press the **SOURCE** button until the required input source is selected.  
➤ If you change the external source while viewing, pictures might take a short period of time to be switched.

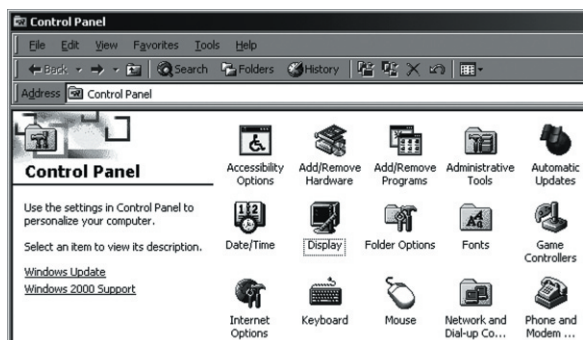
## Setting up Your PC Software (Based on Windows 2000 or XP)

*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.)*

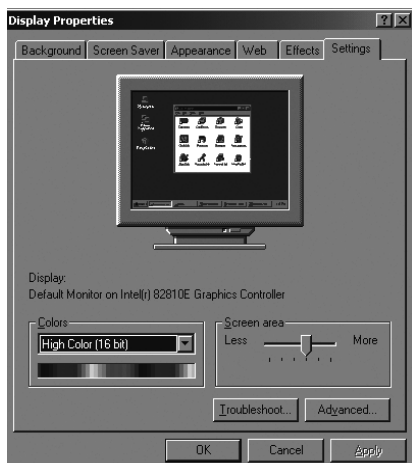


- 1 First, click on "**Settings**" on the Windows start menu.

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



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



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

The correct setting of size (resolution)

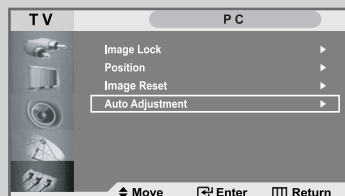
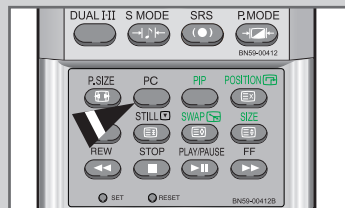
**- 1280 x 768 pixels**

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.

(Refer to 'Display Mode' on page 58)

## Adjusting the PC Screen Automatically



Auto Adjusting

*Auto adjustment allows the PC screen of set to self-adjust to the incoming PC video signal.*

*The values of fine, coarse and position are adjusted automatically.*

- Press the **PC** button on the remote control to select the PC mode.
- This function does not work in **DVI-Digital** mode.

- 1 Press the **MENU** button.  
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.  
Press **ENTER** button.  
Result: The options available in the **Setup** group are displayed.
- 3 Press the **▲** or **▼** button to select **PC**.  
Press **ENTER** button.  
Result: The options available in the **PC** menu are displayed.
- 4 Press the **▲** or **▼** button to select **Auto Adjustment**.  
Press **ENTER** button.  
Result: After the PC screen twists during the auto adjustment procedure, the screen quality and position are automatically adjusted.

## Coarse and Fine Tuning of the Image

*The purpose of picture quality adjustment is to remove or reduce picture noise.*

*If the noise is not removed by Fine tuning alone, then adjust the frequency as best as possible (coarse) and Fine tune again.*

*After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.*

➤ Press the **PC** button on the remote control to select the PC mode.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the **▲** or **▼** button to select **PC**.  
Press **ENTER** button.

Result: The options available in the **PC** menu are displayed.

- 4 Press **ENTER** button again.

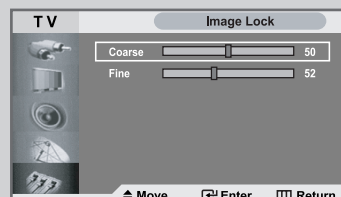
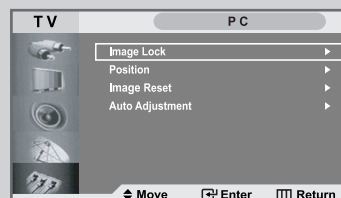
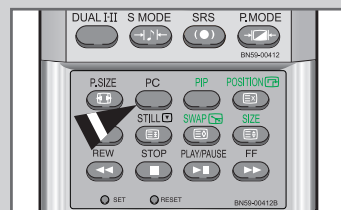
Result: The **Image Lock** menu is selected.

- 5 Press the **▲** or **▼** button to select **Coarse** or **Fine**.  
Press the **ENTER** button.

Result: The horizontal bar is displayed.

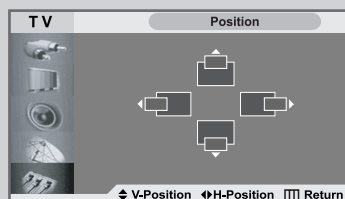
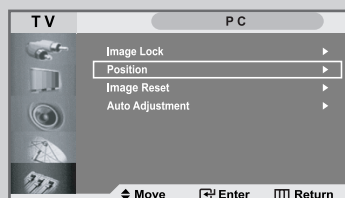
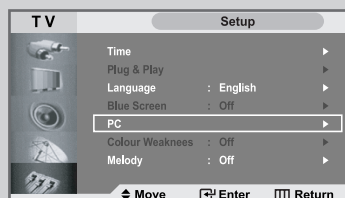
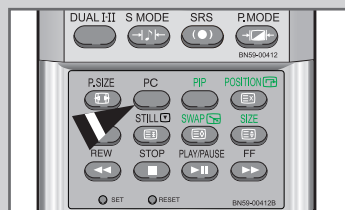
- 6 Press the **◀** or **▶** button to adjust the screen quality.  
Vertical stripes may appear or the picture may become blurry.

- 7 When you are satisfied with the settings, press the **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.





## Changing the Image Position



➤ Press the **PC** button on the remote control to select the PC mode.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

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

- 3 Press the **▲** or **▼** button to select **PC**.  
Press the **ENTER** button.

Result: The options available in the **PC** menu are displayed.

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

Result: You can adjust the image **Position**.

- 5 Press the **◀** or **▶** button to adjust horizontal position.  
Press the **▲** or **▼** button to adjust vertical position.

- 6 Press **MENU** button to return to the previous menu or press the **EXIT** button to return to normal viewing.

## Initializing the Image Settings

*You can replace all image settings with the factory default values.*

➤ Press the **PC** button on the remote control to select the PC mode.


- 1 Press the **MENU** button.

Result: The main menu is displayed.

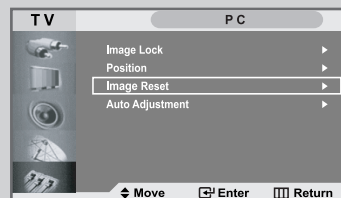
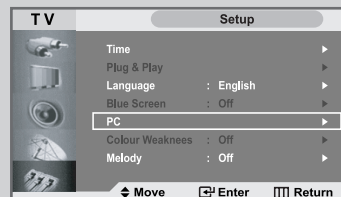
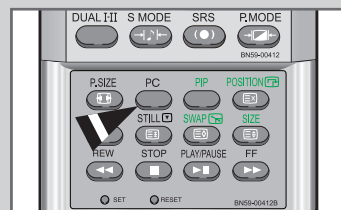
- 2 Press the **▲** or **▼** button to select **Setup**.  
Press the **ENTER**  button.

- 3 Press the **▲** or **▼** button to select **PC**.  
Press the **ENTER**  button.

Result: The options available in the **PC** menu are displayed.

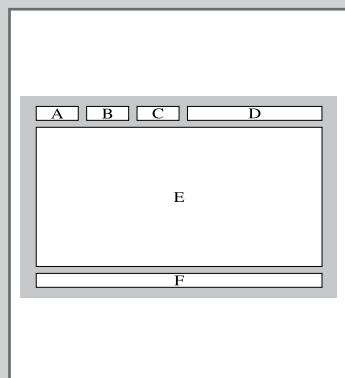
- 4 Press the **▲** or **▼** button to select **Image Reset**.  
Press the **ENTER**  button.

Result: You can initialize all image setting to the factory default values.



**Image Reset is Completed.**

## Teletext Decoder



*Most set channels carry “teletext”, pages of written information that provide information such as:*

- ◆ *Television programme times*
- ◆ *News bulletins and Weather forecasts*
- ◆ *Sports results*
- ◆ *Subtitles for the hard of hearing*

*The teletext pages are organized according to six categories:*

| Part | Contents                              |
|------|---------------------------------------|
| A    | Selected page number.                 |
| B    | Broadcasting station identity.        |
| C    | Current page number or search status. |
| D    | Date and time.                        |
| E    | Text.                                 |
| F    | Status information.                   |

## Displaying the Teletext Information



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

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

*To activate the teletext mode and display the contents page:*

- Using the **P<sup>^</sup>** (↑) or **P<sup>v</sup>** (↓) button, select the channel providing the teletext service.
- Press the **TTX/MIX** (≡/≡) button to activate the teletext mode.  
  
Result: The contents page is displayed. It can be redisplayed at any time by pressing the **INDEX** (≡) button.
- To display the actual broadcast simultaneously with the teletext page, press the **TTX/MIX** (≡/≡) button.
- To return to normal viewing, press the **CANCEL** (≡) button.
- Press the **TTX/MIX** (≡/≡) button again to exit from the TTX display.

➤ If any broken character appears while TTX is being viewed, make sure that the TTX language is identical with the language in the “Setup” menu mode. If both languages are different, select the same language with the TTX language on the “Setup” menu.

## Selecting a Specific Teletext Page

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

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

**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** (⏮) button again to resume.

- 3 Using the various display options:

| To display...  | Press the...  |
|--|---|
| ◆ Both teletext information and the normal broadcast   | <b>TTX/MIX</b> (⏮/⏭)  |
| ◆ Hidden text (answers to quiz games, for example)   | <b>REVEAL</b> (⏮)   |
| ◆ The normal screen  | <b>REVEAL</b> (⏮) again   |
| ◆ A secondary page, by entering its 4-digit number   | <b>SUB-PAGE</b> (⏮)   |
| ◆ The next page  | <b>PAGE UP</b> (⏭)  |
| ◆ The previous page  | <b>PAGE DOWN</b> (⏮)  |
| ◆ Double-size letters in the: <ul style="list-style-type: none"> <li>• Upper half of the screen</li> <li>• Lower half of the screen</li> </ul> | <b>SIZE</b> (⏮) <ul style="list-style-type: none"> <li>•Once</li> <li>•Twice</li> </ul> |
| ◆ Normal screen  | •Three times  |



## Using FLOF to Select a Teletext Page



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

- 1 Display the teletext contents page by pressing the **TTX/MIX** (≡/☒) button.
- 2 Press the coloured button corresponding to the topic that you wish to select (The available topics are listed on the status information line).

Result: The page is displayed with additional colour-coded information that can be selected in the same way.

- | 3 | To display the: | Press the:    |
|---|-----------------|---------------|
|   | Previous page   | Red button.   |
|   | Next page       | Green button. |
- 4 When you have finished, press the **CANCEL** (≡x) button to return to the normal broadcast.

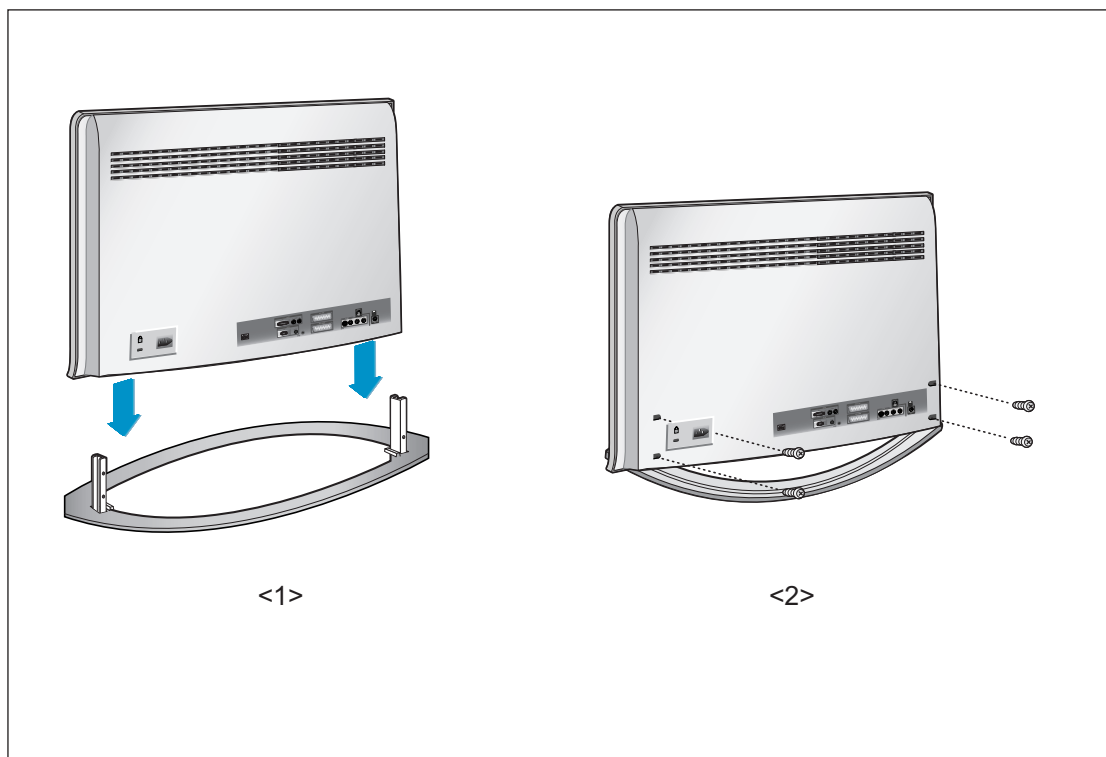
## Troubleshooting: Before Contacting Service Personnel

**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 your set and contact your local dealer.**

|  |  |
|--|--|
| No sound or picture  | <ul style="list-style-type: none"> <li>◆ Check that the mains lead has been connected to a wall socket.</li> <li>◆ Check that you have pressed the <b>POWER</b> (⏻) button on the right-side of the TV.</li> <li>◆ Check the picture contrast and brightness settings.</li> <li>◆ Check the volume.</li> </ul>   |
| Normal picture but no sound  | <ul style="list-style-type: none"> <li>◆ Check the volume.</li> <li>◆ Check whether the <b>MUTE</b> (🔇) button has been pressed on the remote control.</li> </ul>  |
| No picture or black and white picture  | <ul style="list-style-type: none"> <li>◆ Adjust the colour settings.</li> <li>◆ Check that the broadcast system selected is correct.</li> </ul>  |
| Sound and picture interference   | <ul style="list-style-type: none"> <li>◆ Try to identify the electrical appliance that is affecting the set and move it further away.</li> <li>◆ Plug your set into a different mains socket.</li> </ul>   |
| Blurred or snowy picture, distorted sound                                      | <ul style="list-style-type: none"> <li>◆ Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.</li> </ul>   |
| Remote control malfunctions  | <ul style="list-style-type: none"> <li>◆ Replace the remote control batteries.</li> <li>◆ Clean the upper edge of the remote control (transmission window).</li> <li>◆ Check the battery terminals.</li> </ul>   |
| "Check Signal Cable!" message is displayed.                                    | <ul style="list-style-type: none"> <li>◆ Check that the signal cable is firmly connected to the PC or video sources.</li> <li>◆ Check that the PC or video sources are turned on.</li> </ul>   |
| On PC mode, "Not Supported Mode" message is displayed.                         | <ul style="list-style-type: none"> <li>◆ Check the maximum resolution and the frequency of the video adapter.</li> <li>◆ Compare these values with the data in the Display Modes Timing Chart.</li> </ul>  |
| The image is too light or too dark.  | <ul style="list-style-type: none"> <li>◆ Adjust the Brightness and Contrast.</li> </ul>  |
| On PC mode, horizontal bars appear to flicker, jitter or shimmer on the image. | <ul style="list-style-type: none"> <li>◆ Adjust the Fine function.</li> </ul>  |
| On PC mode, vertical bars appear to flicker, jitter or shimmer on the image.   | <ul style="list-style-type: none"> <li>◆ Adjust the Coarse function and then adjust the Fine function.</li> </ul>  |
| On PC mode, screen is black and power indicator light blinks every 1 seconds   | <ul style="list-style-type: none"> <li>◆ The TV is using its power management system.</li> <li>◆ Move the computer's mouse or press a key on the keyboard.</li> </ul>  |
| On PC mode, image is not stable and may appear to vibrate.                     | <ul style="list-style-type: none"> <li>◆ Check that the display resolution and frequency from your Computer or video board is an available mode for your set. On your Computer check: Control Panel, Display, Settings.</li> <li>◆ If the setting is not correct, use your computer utility programme to change the display settings.</li> </ul> <p>➤ Your set supports multiscan display functions within the following frequency domain:</p> <ul style="list-style-type: none"> <li>◆ <b>Horizontal frequency:</b> 30 ~ 68 kHz</li> <li>◆ <b>Vertical frequency:</b> 56 ~ 85 Hz</li> <li>◆ <b>Maximum refresh rate:</b> 1280 X 768@60Hz</li> </ul> |
| On PC mode, image is not centered on the screen.                               | <ul style="list-style-type: none"> <li>◆ Adjust the horizontal and vertical position.</li> </ul>   |

## Installing Stand



1. Lower the TV set in the direction of the arrow and fix the stand.
2. Use the four screws to tightly fix the stand.

### ***Maintenance of Your LCD TV***

**WARNING:** To avoid risk of electric shock, do not disassemble the TV cabinet.

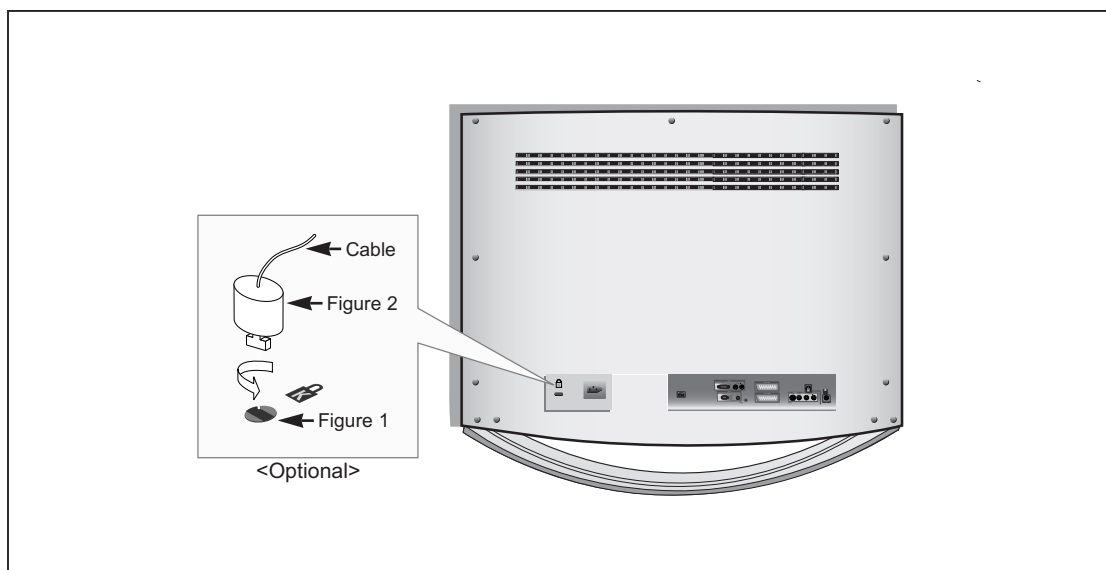
Users cannot service the TV. User maintenance is restricted to cleaning as explained below:

#### **Unplug the LCD TV from the power outlet before cleaning.**

- To clean your flat panel display screen, lightly dampen a soft, clean cloth with water or mild detergent. If possible, use a special screen cleaning tissue or solution suitable for the antistatic coating.
- To clean the LCD TV cabinet, use a cloth lightly dampened with a mild detergent.
- Never use flammable cleaning material to clean your LCD TV or any other electrical apparatus.

## Using the Anti-Theft Kensington Lock

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



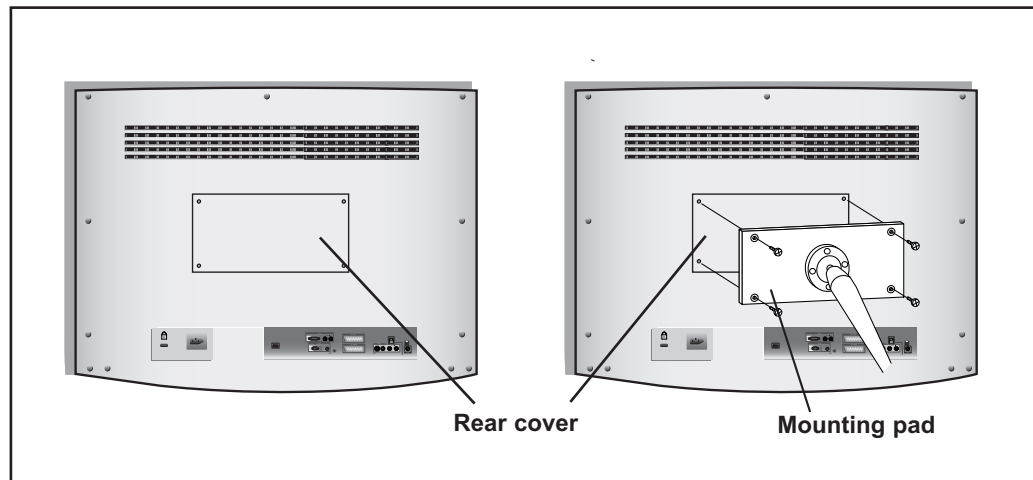
1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).
2. Connect the Kensington lock cable.
3. Fix the Kensington lock to a desk or a heavy stationary object.



## Installing VESA compliant mounting devices

*Align the mounting interface pad with the holes in the rear cover mounting pad and secure it with the four screws that come with the arm-type base, wall mount hanger or other bases.*

➤ This TV accepts a 200mmx100mm VESA-Compliant mounting interface pad.



## Technical and Environmental Specifications

|                              |  |
|------------------------------|--|
| <b>Model Name</b>            | <b>LW26A33W</b>  |
| <b>Panel</b>                 |  |
| Size                         | 26" Diagonal   |
| Display Size                 | 556.4 (H) x 339.84 (V) mm                              |
| Type                         | a-si TFT active matrix                                 |
| Pixel Pitch                  | 0.4425 (H) x 0.4425 (V) mm                             |
| Viewing Angle                | 170/170 (H/V)  |
| <b>Frequency</b>             |  |
| Horizontal                   | 30 ~ 68 kHz  |
| Vertical                     | 56 ~ 85 Hz   |
| Display Colour               | 16,194,277 colours                                     |
| <b>Resolution</b>            |  |
| Maximum                      | 1280 x 768 @ 60 Hz                                     |
| <b>Input Signal</b>          |  |
| Sync.                        | H/V Separate, TTL, P. or N.                            |
| Video Signal                 | 0.7 Vp-p @ 75 ohm                                      |
| <b>TV</b>                    |  |
| Colour System                | PAL/SECAM/NTSC 4.43                                    |
| Sound System                 | BG, DK, I, L   |
| <b>Video</b>                 |  |
| Colour System                | PAL/NTSC/SECAM   |
| Video System                 | CVBS, S-VHS, RGB                                       |
| <b>SCART 1</b>               |  |
| Video Input/Output           | 1.0 Vp-p @ 75 ohm                                      |
| RGB Input                    | 0.7 Vp-p @ 75 ohm                                      |
| Audio Input/Output           | 500mVrms   |
| <b>SCART 2</b>               |  |
| Video Input/Output           | 1.0 Vp-p @ 75 ohm                                      |
| Audio Input/Output           | 500mVrms   |
| <b>Power Supply</b>          |  |
| Input                        | AC 100 ~ 240 V, 60/50 Hz $\pm$ 3Hz                     |
| <b>Power Consumption</b>     |  |
| Maximum                      | 130W   |
| Power Saving                 | < 5.0 W  |
| <b>Dimension (W x D x H)</b> |  |
| Body                         | 29.17x 4.68 x 16.92 inches (741.0 x 119.0 x 498.5 mm)  |
| With stand                   | 29.17x 10.89 x 20.70 inches (741.0 x 276.8 x 526.0 mm) |
| <b>Weight</b>                |  |
| With stand                   | 33.07 lbs (15.0 kg )                                   |

## Technical and Environmental Specifications

### Model

LW26A33W

### Environmental Considerations

|                       |                                    |
|-----------------------|------------------------------------|
| Operating Temperature | 50 °F to 104 °F (10 °C to 40 °C)   |
| Operating Humidity    | 10% to 80%, non-condensing         |
| Storage Temperature   | -13 °F to 113 °F (-25 °C to 45 °C) |
| Storage Humidity      | 5% to 95%, non-condensing          |

### Audio Characteristics

|                  |  |
|------------------|--|
| Audio Input      | RCA Jack (L, R), 0.5Vrms (-9dB)          |
| Audio Input (PC) | 3.5Ø Stereo Jack, 0.5Vrms (-9dB)         |
| Headphone Output | Max. 10mW Output (3.5Ø Stereo Jack, 32Ω) |
| Frequency        | RF: 80Hz ~ 15kHz (at- 3dB)               |
| Response         | A/V: 80Hz ~ 20kHz (at- 3dB)              |

## Display Mode (PC)

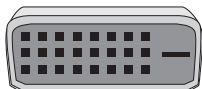
*Both screen position and size will vary depending on the type of PC monitor and its resolution.  
The table below shows all of the display modes that are supported:*

| Mode | Resolution | Horizontal<br>Frequency (kHz) | Vertical<br>Frequency (Hz) | Pixel Clock<br>Frequency (MHz) | Sync Polarity<br>(H/V) |
|------|------------|-------------------------------|----------------------------|--------------------------------|------------------------|
| MAC  | 640 x 480  | 35.000                        | 66.667                     | 30.240                         | - / -                  |
|      | 832 x 624  | 49.726                        | 74.551                     | 49.500                         | + / +                  |
| IBM  | 640 x 480  | 31.469                        | 59.940                     | 25.175                         | - / -                  |
|      | 720 x 400  | 31.469                        | 70.087                     | 28.322                         | - / +                  |
| VESA | 640 x 480  | 37.861                        | 72.809                     | 31.500                         | - / -                  |
|      | 640 x 480  | 37.500                        | 75.000                     | 31.500                         | - / -                  |
|      | 800 x 600  | 37.879                        | 60.317                     | 40.000                         | + / +                  |
|      | 800 x 600  | 48.077                        | 72.188                     | 50.000                         | + / +                  |
|      | 800 x 600  | 46.875                        | 75.000                     | 49.500                         | + / +                  |
|      | 1024 x 768 | 48.364                        | 60.000                     | 65.000                         | - / -                  |
|      | 1024 x 768 | 56.476                        | 70.069                     | 75.000                         | - / -                  |
|      | 1024 x 768 | 60.023                        | 75.029                     | 78.750                         | + / +                  |
| GTF  | 1280 x 768 | 47.700                        | 60.000                     | 80.136                         | - / +                  |

- ◆ The interlace mode is not supported.
- ◆ The set might operate abnormally if a non-standard video format is selected.
- ◆ DVI does not support PC function.

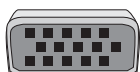
## Pin Configurations

### DVI - D Connector



| Pin | Description           | Pin | Description              |
|-----|-----------------------|-----|--------------------------|
| 1   | Rx 2-                 | 16  | Output Signal Connection |
| 2   | Rx 2+                 | 17  | Rx 0-                    |
| 3   | Grounding             | 18  | Rx 0+                    |
| 4   | No connection         | 19  | Grounding                |
| 5   | No connection         | 20  | No connection            |
| 6   | DDC Clock (SCL)       | 21  | No connection            |
| 7   | DDC Data (SDA)        | 22  | Grounding                |
| 8   | Analog Vertical Sync  | 23  | Rx C-                    |
| 9   | Rx 1-                 | 24  | Rx C+                    |
| 10  | Rx 1+                 |     |                          |
| 11  | Grounding             |     |                          |
| 12  | No connection         |     |                          |
| 13  | No connection         |     |                          |
| 14  | DDC Input Power (+5V) |     |                          |
| 15  | Self-Raster           |     |                          |

### D - Sub Connector



| Pin | Separate H/V                  | Composite H/V                 |
|-----|-------------------------------|-------------------------------|
| 1   | Red (R)                       | Red (R)                       |
| 2   | Green (G)                     | Green (G)                     |
| 3   | Blue (B)                      | Blue (B)                      |
| 4   | Grounding                     | Grounding                     |
| 5   | (DDC return)                  | Grounding (DDC return)        |
| 6   | Grounding - Red (R)           | Grounding - Red (R)           |
| 7   | Grounding - Green (G)         | Grounding - Green (G)         |
| 8   | Grounding - Blue (B)          | Grounding - Blue (B)          |
| 9   | No connection                 | No connection                 |
| 10  | Grounding - Sync. / Self test | Grounding - Sync. / Self test |
| 11  | Grounding                     | Grounding                     |
| 12  | DDC - SDA (Data)              | DDC - SDA (Data)              |
| 13  | Horizontal Sync.              | Horizontal/Vertical Sync.     |
| 14  | Vertical Sync.                | Not used                      |
| 15  | DDC - SCL (Clock)             | DDC - SCL (Clock)             |

## Wiring the Mains Power Supply Plug (UK Only)

### ◆ **IMPORTANT NOTICE**

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BS11362 of the same rating must be used. Never use the plug with the fuse cover omitted if the cover is detachable.

If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do NOT connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.

### ◆ **IMPORTANT**

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

**BLUE - NEUTRAL      BROWN - LIVE**

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

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

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

## Setting Up Your Remote Control

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

### Note

*The remote control might not be compatible with all DVD Players, VCRs and Cable boxes.*

### Setting Up the Remote to Operate Your VCR

- 1 Turn off your VCR.
- 2 Press the **SELECT** button and make sure that the VCR LED is illuminated.
- 3 Press the **SET** button on your TV's remote control.
- 4 Using the number buttons on your remote control, enter three digits of the VCR code listed on page 64 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0".  
(If more than one code is listed, try the first one.)
- 5 Press the Power button on the remote control.  
Your VCR should turn on if your remote is set up correctly.

If your VCR does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR.  
If no other codes are listed, try each VCR code, 000 through 089.

### Note on Using Remote Control Modes: VCR

When your remote control is in "VCR" mode, the volume buttons still control your TV's volume.



## Setting Up Your Remote Control



### Setting Up the Remote to Operate Your Cable Box

- 1 Turn off your cable box.
- 2 Press the **SELECT** button and make sure that the Cable LED is illuminated.
- 3 Press the **SET** button on your TV's remote control.
- 4 Using the number buttons on your remote control, enter three digits of the cable box code listed on page 64 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0".  
If there is more than one code listed, try the first one.
- 5 Press the Power button on the remote control.  
Your cable box should turn on if your remote is set up correctly.

If your cable box does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 077.

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

## Setting Up Your Remote Control

### Setting Up the Remote to Operate Your DVD

- 1 Turn off your DVD.
  - 2 Press the **SELECT** button and make sure that the DVD LED is illuminated.
  - 3 Press the **SET** button on your TV's remote control.
  - 4 Using the number buttons on your remote control, enter three digits of the DVD code listed on page 64 of this manual for your brand of DVD. Make sure you enter three digits of the code, even if the first digit is a "0".  
If there is more than one code listed, try the first one.
  - 5 Press the Power button on the remote control.  
Your DVD should turn on if your remote is set up correctly.
- If your DVD does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of DVD.  
If no other codes are listed, try each code, 000 through 008.

#### Note on Using Remote Control Modes: DVD

When your remote control is in "DVD" mode, the volume buttons still control your TV's volume.





## Setting Up Your Remote Control

### Remote Control Codes

#### VCR Codes

|                |   |                        |   |                 |                                     |
|----------------|---|------------------------|---|-----------------|-------------------------------------|
| Admiral        | 015,088   | KLH                    | 082                                     | RCA             | 009,014,016,017,037,044,046,063,078 |
| Aiwa           | 024   | LG                     | 001,002,007                             | Samsung         | 000,016,022,031,041,051             |
| Audio Dynamics | 022,025   | Lloyd                  | 024                                     | Sansui          | 025                                 |
| Bell&Howell    | 011   | Logik                  | 040                                     | Sanyo           | 011,021                             |
| Broksonic      | 019   | LXI                    | 024                                     | Scott           | 022,050,058,077                     |
| Candle         | 016,018,022,054,055,061   | Magnavox               | 017,038,062,065                         | Sears           | 011,014,018,021,027,028,044,052,057 |
| Canon          | 017,062   | Marantz                | 011,017,023,025,038,039,055,070         | Sharp           | 015,036,048,054                     |
| Citizen        | 016,018,022,054,055,061   | Marta                  |   | Shintom         | 026,035,040,064                     |
| Colortyme      | 023   | MEI                    |   | Signature       | 024                                 |
| Craig          | 016,021   | Memorex                |   | Sony            | 026,035,047                         |
| Curtis-Mathes  | 009,016,017,023,024,055,062,073,076   | MGA                    |   | Sylvania        | 017,024,038,062,065                 |
| Daewoo         | 003,004,005,006,007,008,022,054,085   | Midland                |   | Symphonic       | 024                                 |
| DBX            |   | Minota                 |   | Tandy           | 011,024                             |
| Dimensia       | 009   | Mitsubishi             |   | Tashiko         |                                     |
| Dynatech       | 024   | Montgomery ward        |   | Tatung          | 039                                 |
| Electrohome    | 036   | MTC                    | 016,024                                 | Teac            | 024,039,078                         |
| Emerson        | 017,018,019,022,024,029,032,036,043,050,051,056,058,066,071,074,076,077,079 | Multitech              | 016,024,040,041                         | Technics        | 017                                 |
| Fisher         | 011,021,027,028,052,057,067   | NEC                    | 011,023,025,039,055,070,073             | Temika          |                                     |
| Funai          | 024   | Optimus                | 015                                     | TMK             | 076                                 |
| GE             |   | Panasonic              | 017,062,084,086                         | Toshiba         | 014,022,028,057,058                 |
| Go Video       | 016   | Pentax                 | 014,044                                 | Totevision      | 016,018                             |
| Harman Kardon  | 023   | Pentex Reserch+        | 055                                     | Unitech         |                                     |
| Hitach         | 014,024,044,045   | Philco                 | 017,038,062,065                         | Vector Research |                                     |
| Instant Replay | 017   | Philips                | 017,038                                 | Victor          |                                     |
| JC Penny       | 011,014,016,017,023,025,039,044,060,062                                     | Pioneer                | 014,025,042,059                         | Video Concepts  |                                     |
| JCL            | 011,017,023,025,039,055   | Portland               | 053,054,061                             | Videosonic      |                                     |
| JVC            |   | ProScan                | 009                                     | Wards           |                                     |
| kenwood        | 011,023,025,039,055   | Quartz                 | 011                                     | Yamaha          |                                     |
|                |   | Quasar                 | 017,053                                 | Zenith          |                                     |
|                |   | Radio Shack/Realistics | 011,015,017,018,021,024,028,036,052,062 |                 |                                     |

#### Cable Box Codes

|                    |   |           |   |               |   |
|--------------------|---|-----------|---|---------------|---|
| Anvision           | 015,016                                     | NSC       | 017   | Signature     | 054   |
| Cable star         | 015,016                                     | Oak       | 024,046                                     | Sprucer       | 035   |
| Eagle              | 015,016                                     | Osk Sigma | 024   | Starcom       | 054   |
| Eastrm Int.        |   | Panasonic | 011,035,047,069                             | Stargate 2000 | 066   |
| General Instrument | 054   | Philips   | 015,016,027,029,034,036,037,040,041,048,049 | Sylvania      | 019,067                                     |
| GI                 | 012,013,023,031,032,033,038,044,075,076,077 | Pioneer   | 026,028,052                                 | Texscan       | 019,067                                     |
| Hamlin             | 011,012,020,021,042,056                     | Randtek   | 015,016                                     | Tocom         | 025,029,057,058,063                         |
| Hitachi            | 045,051,054                                 | RCA       | 008,035,074                                 | Unika         | 039,040,049                                 |
| Jerrold            | 012,013,023,031,032,033,038,044,054,070,073 | Regal     | 011,020,021                                 | Universal     | 059,060                                     |
| Macom              | 045,051                                     | Regency   | 010,041                                     | Viewstar      | 015,016,027,029,034,036,037,040,041,048,049 |
| Magnavox           | 015,016,027,029,034,036,037,040,041,048,049 | SA        |   | Warner Amex   | 052   |
|                    |   | Samsung   | 000,011,030,052,071,072                     | Zenith        | 022,050,065,069                             |

#### DVD Codes

|           |     |
|-----------|-----|
| Philips   | 007 |
| Proscan   | 008 |
| RCA       | 008 |
| Toshiba   | 002 |
| Panasonic | 006 |
| Sony      | 004 |
| Samsung   | 000 |

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## **– AFTER SALES SERVICE**

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- 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.

