

LCD TV

LW17N23W LW17N23N

Owner's Instructions

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

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

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Symbols





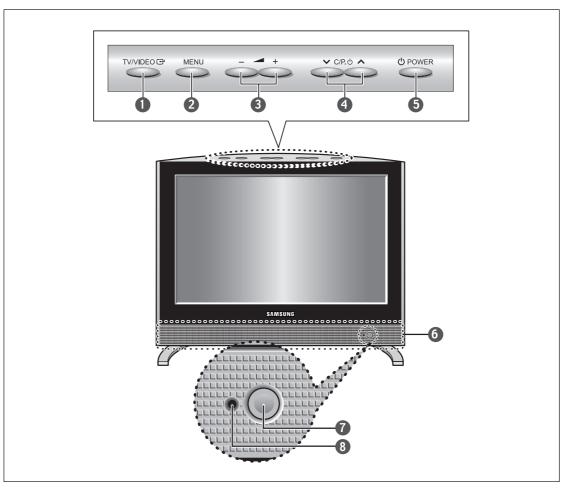


Important

Note

Viewing the Control Panel

Colors may vary depending on the model you purchase.



TV/VIDEO

Displays a menu of all of the available input sources (TV - AV1 - AV2 - AV3 - S-Video - PC).

MENU

Opens the on-screen menu.

6 - 🚄 +

Moves the selector left or right on the OSD. Increases or decreases the level of audio volume and the values of the selected function.

♠ ∨ C/P. ₺ ∧

Moves the selector up or down on the OSD. Increases or decreases the channel number.

⑤ ŮPOWER

Turns ON/OFF your set.

6 SPEAKER

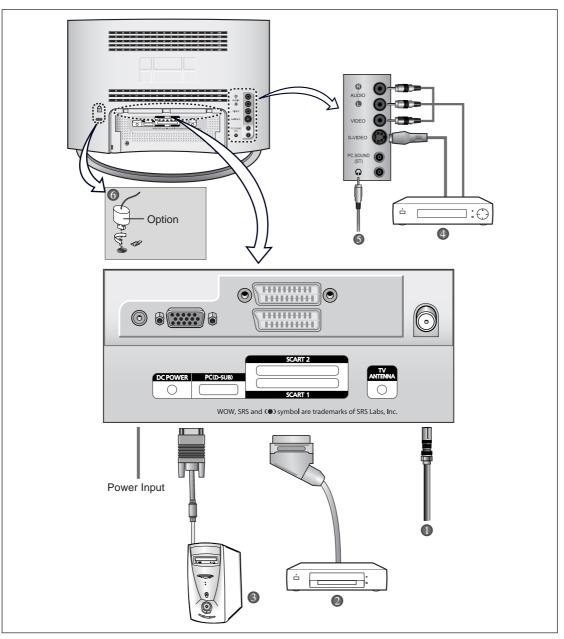
7 REMOTE CONTROL SENSOR

8 POWER INDICATOR

Lights up when you turn the power off.

Viewing the Connection Panel

Colors may vary depending on the model you purchase.



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

Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

Viewing the Connection Panel

Connecting an Aerial or Cable Television Network (depending on the model)

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 a 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.

3 Connecting a Computer

- Connect the 15 Pin D-SUB connector to the PC video connector.
- Connect the stereo audio cable to the "Audio (ST)" jack on the rear of your set and the other end to the "Audio Out" jack of the sound card on your computer.

> 15 Pin 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	Grounding (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)

Viewing the Connection Panel

Connecting External A/V Devices

- Connect RCA or S-VIDEO cables to an appropriate external A/V device such as a 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.
- Headphones may be connected to the headphone output () on the rear of your set. While the headphones are connected, the sound from the built-in speakers will be disabled.

6 Connecting Headphones

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

6 Kensington Slot

- This television has been designed to apply a burglarproof lock.

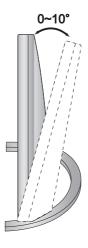
> Retractable Stand

Tilt the screen until you feel comfortable.

The maximum tilt angle is 10 degrees in the backward direction.

Please do not tilt the television beyond the specified range.

Using excessive force to tilt the television beyond the specified range may cause permanent damage to the mechanical part of the stand.



Viewing Pictures From External Sources



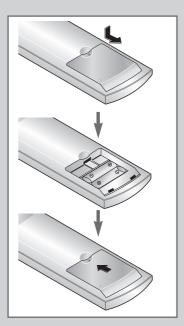
Once you have connected up your various audio and video systems, you can view the different sources by selecting the appropriate input.

- 1 Check that all the necessary connections have been made (refer to pages 8 and 9 for further details).
- PC button...
 Press the PC button to choose PC mode.
 - Video button...
 Press the Video button to choose Video mode.
 The input sources are displayed in the following order:
 AV1 AV2 AV3 S-Video.
 - ◆ TV button...
 Press the TV button to choose TV mode.

Inserting the Batteries in the Remote Control

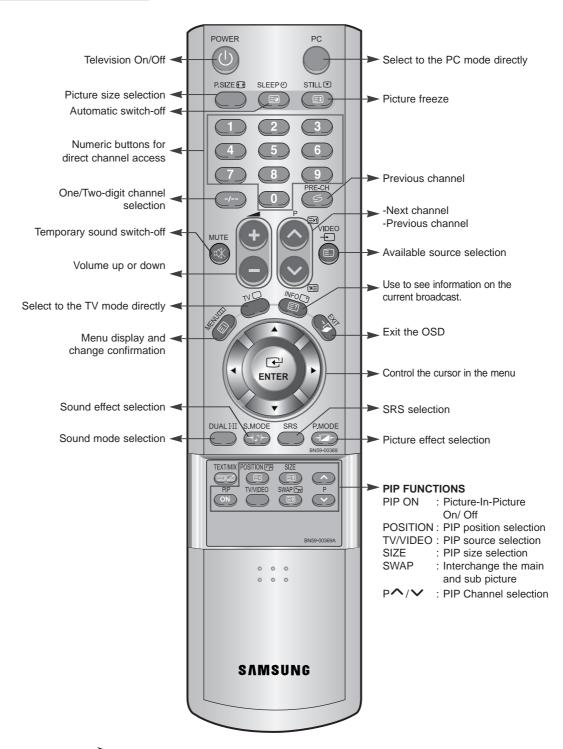
You must insert or replace the batteries in the remote control when you:

- ◆ Purchase your set
- ◆ Find that the remote control is no longer operating correctly
- 1 Remove the cover on the rear of the remote control by pressing the symbol downwards and then pulling firmly to remove it.
- 2 Install two AAA size batteries.
 - + on the battery against + on the remote control
 - ◆ on the battery against on the remote control
- 3 Replace the cover by aligning it with the base of the remote control and pressing it back into place.
- Do not mix battery types, i.e. alkaline and manganese.



Viewing the Remote Control

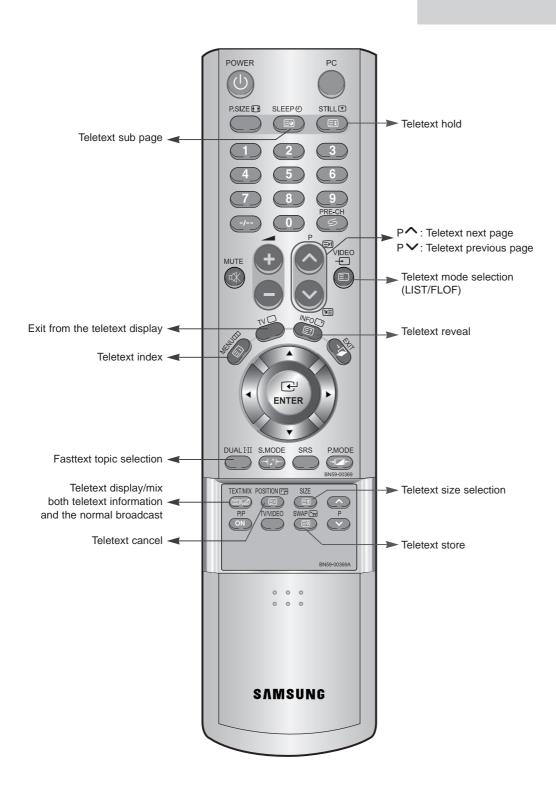
(All Functions Except Teletext)



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

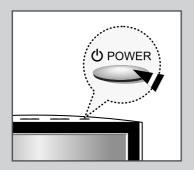
Viewing the Remote Control

(Teletext Functions)



Switching On and Off





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

- If you purchased this set in the United Kingdom, refer to page **62** for further instructions on plug wiring.
- 1 Plug the mains lead into an appropriate socket.
 - Result: When the adaptor is plugged in, the LED turns red.
- 2 Press the **OPOWER** button to switch on.
- 3 To switch off, press the **OPOWER** button again.
- Colors may vary depending on the model you purchase.

Placing 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.
- 2 To switch back on, simply press the **OPOWER** button again or a numeric button.
- Do not leave your set in Standby mode for long periods of time (when you are away on holiday, for example).

 Turn off by pressing the **OPOWER** button.

 It is best to unplug the set from the mains and aerial.

English-14

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

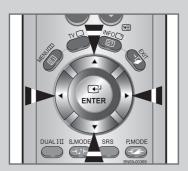
The following table presents the most frequently used buttons and their functions.

Button	Viewing Function	Menu Function		
P	Used to display the next stored channel.	-		
P	Used to display the _ previous stored channel.			
PRE-CH	Used to switch repeatedly between the last two channels displayed. (PRE-CH; Previous Channel)			
0 ~ 9	Used to display the corresponding channels.			
-/	Used to select a channel numbered ten or over. Press this button, and the "" symbol is displayed. Enter the two-digit channel number.			
+	Used to increase the _ volume.			
4	Used to decrease the volume.			
MUTE	Used to switch the sound off temporarily. To turn the sound back on, press this button again, or press the + or - button.			
MENU III	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.		
EXIT - 	Used to exit the menu system and return directly to normal viewing.			
ENTER V	 ▲ ▼ Used to move among the menu items. ▶ Used to select a menu item or increase the value of the selected item. ◄ Used to return to the previous menu item or 			

decrease the value of the selected item.



Plug & Play



Plug & Play











Enjoy your watching

English-16

When the set is initially powered ON, you are automatically presented with a series of basic customer settings.

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

OK selected.

4 Press the ENTER ⊕ button.

5 Select your Country by pressing the ▲ or ▼ button. Press the ENTER → button.

Result: The country menu is displayed:

Belgie - Deutschland - Espania - France - Italia - Nederland - Schweiz - Sverige - UK -

East Europe - Others

Select the Hour or Min by pressing the ◀ or ▶ button. Set the Hour or Min by pressing the ▲ or ▼ button. (Refer to "Setting the Clock" on page 40)

7 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

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 the **Setup**.

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

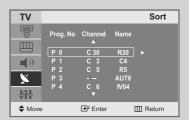
- 3 Press the ENTER button.
- Press the ▲ or ▼ button to select the Plug & Play. Press the ENTER → button.

Result: The message Plug & Play is displayed.

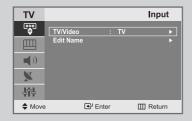
For further details on how to set up this feature, refer to page 16 and 25.
 The Sort menu is displayed after the Plug & Play ends.

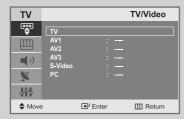






Selecting TV Mode or an Input Source





You can choose TV mode or change to an input source connected to the TV set. Use this button to choose an input source that you would like to watch.

1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

3 Press the **ENTER** • button.

4 Press the **ENTER** • button.

Result: The TV/Video is selected.

5 Press the ▲ or ▼ button to move to the input source that you wish to choose.

Press the **ENTER** button.

Result: The input source changes to the one you have chosen.

Editing an Input Source Name

Entering the names of the input source devices connected to the input ports on the TV set allows you to find and choose an input source that you would like to watch in a quick and convenient manner.

1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

3 Press the ENTER → button.

Press the ▲ or ▼ button to select the Edit Name. Press the ENTER → button.

Fress the ▲ or ▼ button to move to the input source that you wish to edit.

Press the **ENTER** • button.

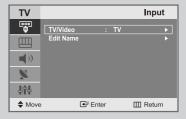
Result: The following options are available:
AV 1 - AV 2 - AV 3 - S-Video - PC

Select the required device by pressing the ▲ or ▼ repeatedly.

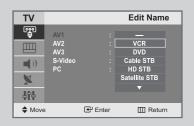
Result: The following options are available:

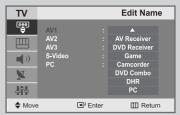
---- - VCR - DVD - Cable STB - HD STB - Satellite STB - AV Receiver - DVD Receiver - Game - Camcorder - DVD Combo - DHR - PC.

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









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 indicators.

- 1 Press the **MENU** button.
 - Result: The main menu is displayed.
- 2 Press the ▲ or ▼ button to select the **Setup**.
 - Result: The options available in the **Setup** group are displayed.
- 3 Press the ENTER button.
- Press the ▲ or ▼ button to select the Language. Press the ENTER ⊕ button.
- 5 Select a particular Language by pressing the ▲ or ▼ button repeatedly.
- 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 the Channel.

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

- 3 Press the ENTER button.
- Press the ▲ or ▼ button to select ATM. Press the ENTER ⊕ button.

Result: The Start is selected.

Press the 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 the **ENTER** & button to search the channels.
- 6 When the channels have been stored, you can:
 - ◆ Add or delete the channels (refer to page 24)
 - ◆ Sort them in the order required (refer to page 25)
 - Assign a name to the stored channels (refer to page 26)
 - Fine tune channel reception if necessary (refer to page 27)









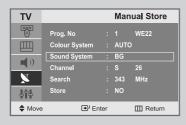
Storing Channels Manually

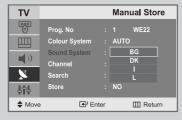












You can store up to 100 channels, including those received via cable networks.

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 the **Channel**.

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

- 3 Press the ENTER → button.
- Press the ▲ or ▼ button to select the Manual Store. Press the ENTER ⊕ button.

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

5 Press the ▲ or ▼ button to select Colour System.
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 - NT 4.43

6 Press the ▲ or ▼ button to select **Sound System**. Press the **ENTER** ⊕ button.

Select the **Sound System** 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

For all the channels to move to the required channel numbers, repeat steps 5 to 6 after selecting Prog. No by pressing the ▲ or ▼ button.

Storing Channels Manually

- 8 If you know the channel number to be stored,
 - ◆ Press the ▲ or ▼ button to select the Channel.
 Press the ENTER ⊕ button.
 - Select C (Air channel) or S (Cable channel) by pressing the
 ▲ or ▼ button and then press the ENTER → button.
 - ◆ Select the required number by pressing the ▲ or ▼ button and then press the **ENTER** ⊕ button.
 - If there is normal sound or no sound, re-select the sound system required.
- 9 If you do not know the channel numbers, press the ▲ or ▼ button to select **Search**.

Press the **ENTER** 🕒 button.

Start the **Search** by pressing the ▲ or ▼ button.

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.

10 Press the ▲ or ▼ button to select **Store**.

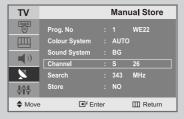
Press the **ENTER** 🕒 button.

Select **YES** by pressing the ▲ or ▼ button.

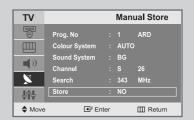
Press the **ENTER** button.

Result: The channel and associated programme number are

11 Repeat Steps 8 to 10 for each channel to be stored.







Editing the Channels









You can exclude any channels of your choice from the channels you have 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 the **Channel**.

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

- 3 Press the ENTER button.
- Press the ▲ or ▼ button to select Add/Delete. Press the ENTER ⊕ button.

Result: The state of the current channel is displayed.

Fress the o or ➤ button to select the channel that you wish to Add or Delete.

Result:

If the channel that you wish to edit is not in the memory, Add is selected and displayed.

Otherwise, if the channel that you wish to edit is in the

memory, Delete is selected and displayed.

- 6 Press the **ENTER** button to **Add** or **Delete** the channel.
- 7 To return to the previous menu, select **Return** by pressing the
 ◀ or ▶ button and then press the **ENTER** ❖ button.
- 8 Repeat Step 5 for each channel to be added or erased.

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.
- Assign 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 the **Channel**.

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

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

riess the **Livie** button.

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

5 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** are moved to the right side.

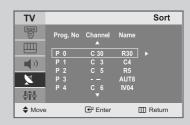
6 Press the ▲ or ▼ button to move to the position which you would like to change and then press the ENTER → button.

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

7 Repeat step 5 to 6 for another channel to sort again.





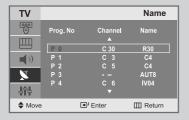


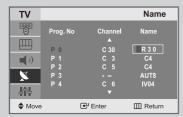


Giving Channels Names









If channel name information is broadcast when you store the channels either manually or automatically, the names are assigned to the channels directly. You can however change these names or assign new names as required.

1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

- 3 Press the ENTER → button.
- 4 Press the ▲ or ▼ button to select the Name. Press the ENTER ⊕ button.

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

5 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.

6	То	Then		
	Select a letter, number or symbol	Press the ▲ or ▼ button		
	Move on to the next letter	Press the ▶ button		
	Move back to the previous letter	Press the ◀ button		
	Confirm the name	Press the ENTER 🕑 button		

- The characters available are :
 - Letters of the alphabet (A~Z)
 - Numbers (0~9)
 - ◆ Special characters (space, _, -, ∗)
- 7 Repeat Steps **5** to **6** for each channel to be assigned to a new name
- When you have finished entering the name, press the **ENTER** button to confirm the name.

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 the Channel.

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

- 3 Press the ENTER → button.
- 4 Press the ▲ or ▼ button to select the **Fine Tune**. Press the **ENTER** → button.
- Press ◀ or ▶ button until you reach the setting to obtain a sharp and clear picture and good sound quality.
 To store the setting, press the ENTER ☑ button.
- 7 To reset the fine tuning, select Reset by pressing the ▲ or ▼ button and then press the ENTER ⊕ button.
 To return to the previous menu, select Return by pressing the ◀ or ► button and press the ENTER ⊕ button.



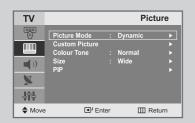


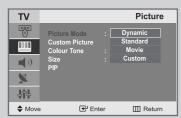






Changing the Picture Standard









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 the **Picture**.

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

3 Press the ENTER button.

4 Press the **ENTER** 🕒 button.

Result: The Picture Mode is selected.

5 Select the required picture effect by pressing the ▲ or ▼ button repeatedly.

Press the **ENTER** 🗗 button.

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

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

Adjusting the 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 the **Picture**.

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

3 Press the **ENTER** button.

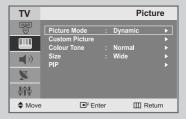
Press the ▲ or ▼ button to select the Custom Picture. Press the ENTER ⊕ button.

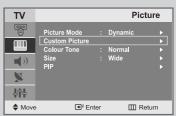
5 Select the option (Contrast, Brightness, Sharpness, Colour or Tint-NTSC only) to be adjusted by pressing the ▲ or ▼ button.

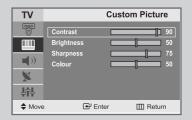
Press the ENTER → button.

Result: The horizontal bar is displayed.

- 6 Press the ◀ or ▶ button to reach the required setting.
- 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.
- If you make any changes to these settings, the picture standard is automatically switched to **Custom**.

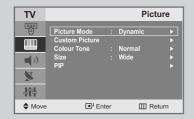


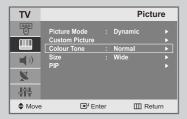


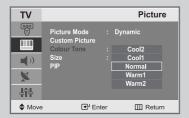




Adjusting the Screen Background Colour







You can change the screen background colour according to your preference.

1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

3 Press the ENTER button.

Press the ▲ or ▼ button to select the Colour Tone. Press the ENTER ⊕ button.

Result: The following options are available:

Cool 2 - Cool 1 - Normal - Warm 1 - Warm 2

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

Selecting the Picture Format

You can select the picture format 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 the **Picture**.

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

3 Press the **ENTER** • button.

Press the ▲ or ▼ button to select the Size. Press the ENTER ⊕ button.

5 Select the required picture format by pressing the ▲ or ▼ button repeatedly.

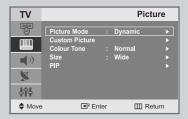
Press the **ENTER** button.

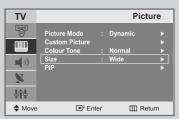
Result: The following options are available:

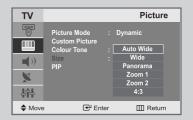
Auto Wide - Wide - Panorama - Zoom 1 - Zoom 2 - 4:3



- You can also set these options simply by pressing the P.SIZE (Picture SIZE) button.
- This feature does not work when the PIP (Double Window) feature is active.









Auto Wide

Freezing the Current Picture

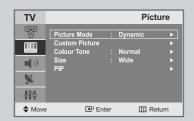
Press the "STILL" button on the remote control to freeze the picture on a given frame.

To return to normal viewing, press the "STILL" button again.

Not Available in PC mode.



Viewing the Picture In Picture (PIP)







[PC Only]







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

Press the **MENU** button. 1

> Result: The main menu is displayed.

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

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

3 Press the **ENTER** button.

4 Press the ▲ or ▼ button to select the PIP.

Press the **ENTER** button.

The options available in the PIP menu are displayed.

5 Press the **ENTER** 🕒 button.

6 Select **On** by pressing the ▲ or ▼ button.

Press the **ENTER** button.

▶ PC Only....

Press the ▲ or ▼ button to select **TV/Video**.

Press the **ENTER** 🕒 button.

Select the source of the sub picture by pressing the ▲ or ▼ button and then press the **ENTER** button.

The sources are displayed in the following order:

TV - AV1 - AV2 - AV3 - S-Video

"TV/Video" and "Prog.No" are inactive and not available in TV mode. However, they become active and available in PC mode.

8 To swap the main picture and the sub picture, select the **Swap** option and press the ENTER button.

The main picture and the sub picture are interchanged.

9 Press the ▲ or ▼ button to select the **Size**.

Press the **ENTER** 🕒 button.

Select the size of the sub picture by pressing the ▲ or ▼ button and then press the **ENTER** button.

The sizes are displayed in the following order:

Small - Double1 - Double2

Viewing the Picture In Picture (PIP)

10 Press the ▲ or ▼ button to select the **Position**.

Press the **ENTER** 🕒 button.

Select the position of the sub picture by pressing the \blacktriangle or \blacktriangledown button and then press the **ENTER** \boxdot button.

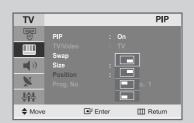
Result: You can move the sub picture counterclockwise.

➤ ♦ When the size of sub picture is set to **Double1** or **Double2**, this feature does not work.

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

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

Features Description				
PIP ON	Used to operate the ON/OFF function of PIP directly.			
SWAP	Used to interchange the main picture and the sub picture.			
	When the main picture is in 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.			
^/ ~	Used to select the channel of sub picture.			



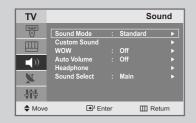


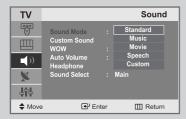
> PIP Settings

O : PIP operates X : PIP does not operate

Sub Picture Main Picture	TV	AV1	AV2	AV3	S-Video	PC
TV	х	х	х	х	х	0
AV1	х	х	х	х	х	0
AV2	х	х	х	х	х	0
AV3	х	х	х	х	х	0
S-Video	Х	х	х	х	х	0
PC	0	0	0	0	0	Х

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 the **Sound**.

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

3 Press the ENTER button.

4 Press the **ENTER** 🕒 button.

Result: The Sound Mode is selected.

5 Select the required sound effect by pressing the ▲ or ▼ button repeatedly.

Press the **ENTER** 🕒 button.

Result: The following sound effects are available:

Standard - Music - Movie - Speech - Custom

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

Adjusting the Custom Sound

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

1 Press the **MENU** button.

Result: The main menu is displayed.

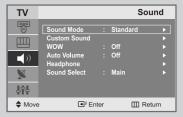
2 Press the ▲ or ▼ button to select the **Sound**.

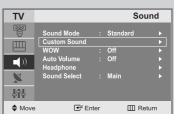
Result: The options available in the **Sound** group are displayed.

- 3 Press the ENTER → button.
- Press the ▲ or ▼ button to select the Custom Sound. Press the ENTER → button.
- 5 Select the option (Volume, L/R, 100, 300, 1K, 3K, 10K) to be adjusted by pressing the ◀ or ▶ button. Press the ENTER ம button.

Result: The Vertical bar is displayed.

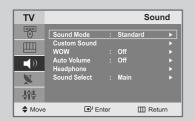
- 6 Press the ▲ or ▼ button to reach the required setting.
- When you are satisfied with the setting, press the MENU button to return to the previous menu or press the EXIT button to return to normal viewing.
- If you make any changes to these settings, the Sound standard is automatically switched to Custom.

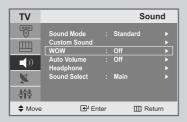


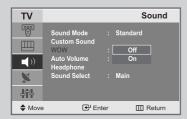




Selecting WOW Surround







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.

Selecting Auto Volume Control

Reduces the differences in volume level between broadcasters.

1 Press the **MENU** button.

Result: The main menu is displayed.

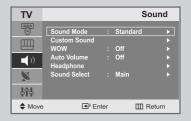
2 Press the ▲ or ▼ button to select the **Sound**.

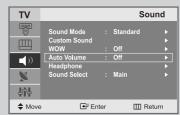
Result: The options available in the **Sound** group are displayed.

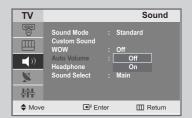
3 Press the ENTER → button.

Press the ▲ or ▼ button to select Auto Volume. Press the ENTER → button.

5 Press the ▲ or ▼ button to select Off/On. Press the ENTER button.







Selecting the Sound Mode

You can set the sound mode by pressing the "DUAL I-II" button. When you press it, current sound mode is displayed on the screen.

	Audio Type	DUAL 1/2	Default	
FM Stereo NICAM Stereo	Mono	MONO	Automatic	
	Stereo	STEREO ←→ MONO	change	
	Dual	DUAL 1 ←→ DUAL 2	DUAL 1	
	Mono	MONO	Automatic change	
	Stereo	MONO ←→ STEREO		
	Dual	MONO ←→ DUAL 1 DUAL 2 ←	DUAL 1	

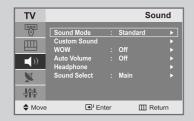


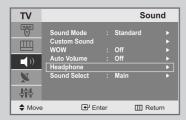
- If the receiving conditions deteriorate, listening will be easier if the mode is set to Mono.
- ◆ If the stereo signal is weak and automatic switching occurs, switch to Mono.



English-37

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 the **Sound**.

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

- 3 Press the ENTER ← button.
- Press the ▲ or ▼ button to select Headphone. Press the ENTER ⊕ button.
- 5 Select the option (Volume, Balance, Bass, Treble) 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.

Selecting a Sound Mode for the Sub-Screen

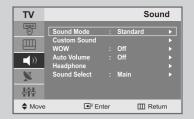
1 Press the **MENU** button.

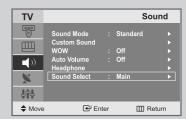
Result: The main menu is displayed.

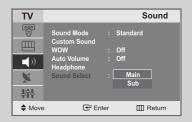
2 Press the ▲ or ▼ button to select the **Sound**.

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

- 3 Press the ENTER → button.
- Press the ▲ or ▼ button to select the Sound Select. Press the ENTER button.
- 5 Press the ▲ or ▼ button to select Main/Sub. Press the ENTER → button.
- You can use the sub-screen sound mode feature only when the PIP feature is ON.







Setting the Clock







Press the MENU button.
 Result: The main menu is displayed.
 Press the ▲ or ▼ button to select Setup.
 Result: The options available in the Setup group are displayed.
 Press the ENTER → button.
 Press the ENTER → button.
 Result: The Time is selected.
 Press the ENTER → button.
 Press the ▲ or ▼ button to set the Hour.
 Press the ▲ or ▶ button to move to Min.

Press the ▲ or ▼ button to set the minutes.

7 Press the ENTER button.

The clock is set.

Result:

You can also set the time using the numeric buttons on the remote.

Switching Off Automatically

You can select a time period of between -- and 180 minutes after which your set automatically switches off.

1 Press the **MENU** button.

Result: The main menu is displayed.

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

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

3 Press the **ENTER** • button.

Press the ▲ or ▼ button to select the Sleep Timer. Press the ENTER → button.

5 Select the number of minutes after which your set switches On by pressing the ▲ or ▼ button repeatedly.

Result: The preset time intervals:

--, 30, 60, 90, 120, 150, 180 minutes.

You can also select this feature by simply pressing the "SLEEP" button.

If the sleep timer is already set, the screen displays the remaining time and then your set will be switched **Off**.

If the sleep timer is not yet set, Off is displayed.

◆ Off • 30 • 60 • 90 • 120 • 150 • 180 • Off









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.
- 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 **ENTER** button.

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

5 Press the ▲ or ▼ button to select the **On Timer**. Press the **ENTER** → button.

Result: The On Timer menu is displayed.

То	Press the	
Move to Hour, Min, Prog. No and Volume	✓ or ► button	
Set Hour, Min, Prog. No and Volume level	▲ or ▼ button	
Move to Set	or ▶ button	
Select On to enable above setting	▲ or ▼ 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.

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

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**.

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

- 3 Press the **ENTER** → button.
- Press the ▲ or ▼ button to select Blue Screen. Press the ENTER ⊕ button.
- Select the required option (On or Off) by pressing the
 ▲ or ▼ button.
- 6 Press the EXIT button to return to normal viewing.





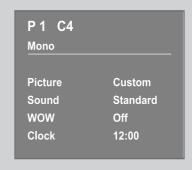


Displaying Information

You can view the setting status of the selected source by pressing the "INFO" button on the remote control.

The information displayed varies according to the selected source.



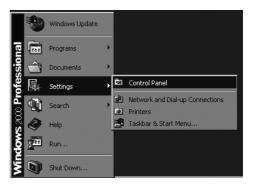


English-43

Setting Up Your PC Software (Based on Windows 2000)

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

First, click on "Settings" on the Windows start menu. While "Settings" is highlighted, move the cursor so that "Control Panel" is highlighted.



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

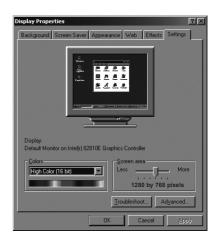


3 Navigate to the "**Settings**" tab on the display dialog-box.

The correct size setting (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.



Coarse and Fine Tuning of the Image

- > Preset to PC mode by pressing the **PC** button.
- 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.
- Press the ▲ or ▼ button to select PC Setup. Press the ENTER ⊕ button.

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

5 Press the **ENTER** 🕒 button.

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

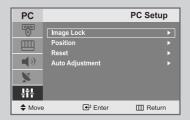
6 Press the ▲ or ▼ button to select Coarse or Fine. Press the ENTER ⊕ button.

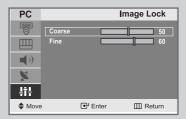
Result: The horizontal bar is displayed.

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









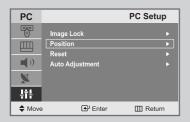


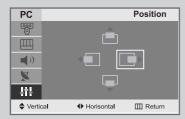


Changing the Image Position









- > Preset to PC mode by pressing the **PC** button.
- 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.
- Press the ▲ or ▼ button to select PC Setup. Press ENTER ⊕ button.

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

Fress the ▲ or ▼ button to select Position. Press the ENTER ☺ button.

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

- 6 Press the ▲ or ▼ button to adjust the vertical position. Press the ◄ or ► button to adjust the horizontal position.
- 7 Press the MENU button to return to the previous menu or press the EXIT button to return to normal viewing.

Initializing the Image Settings

> Preset to PC mode by pressing the **PC** button.

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

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.

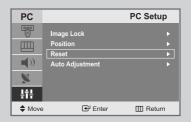
- 3 Press the ENTER → button.
- Press the ▲ or ▼ button to select PC Setup. Press ENTER button.

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

- 5 Press the ▲ or ▼ button to select **Reset**. Press the **ENTER** → button.
- Select the option (Image Reset or Colour Reset) to be replaced by pressing the ▲ or ▼ button. Press the ENTER → button.





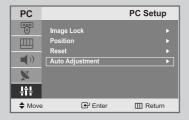




Adjusting the PC Screen Automatically







Auto Adjustment

- > Preset to PC mode by pressing the **PC** button.
- 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.
- Press the ▲ or ▼ button to select PC Setup. Press ENTER button.

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

Fress the ▲ or ▼ button to select Auto Adjustment. Press the ENTER ⊕ button.

Result: The screen quality and position are automatically adjusted, and the screen returns to the original view a few seconds

later.

Teletext Feature

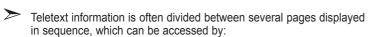
Most television channels provide written information services via teletext.

Information provided includes:

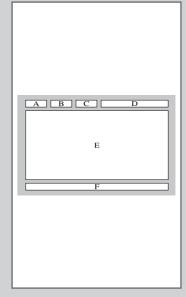
- ◆ Television programme times
- ◆ News bulletins and weather forecasts
- ◆ Sports results
- ◆ Travel information

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

Part	Contents
А	Selected page number.
В	Broadcasting channel identity.
С	Current page number or search indicators.
D	Date and time.
Е	Text.
F	Status information. FASTEXT information.



- ◆ Entering the page number
- ◆ Selecting a title in a list
- ◆ Selecting a coloured heading (FASTEXT system)



Displaying the Teletext Information



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

- For Teletext information to be displayed correctly, channel reception must be stable; otherwise:
 - ◆ Information may be missing
 - ◆ Some pages may not be displayed
- 2 Press the **TEXT/MIX** button to activate the teletext mode.

Result: The contents page is displayed. It can be redisplayed at any time by pressing the (index) button.

- 3 If you wish to display the actual broadcast at the same time as the teletext page, press the TEXT/MIX button again.
- **4** To return to normal viewing, press the **□**X (cancel) button.
- **5** Press the **TV** button again to exit the teletext display.

Selecting a Page by Number

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

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

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

2 If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence.

To freeze the display on a given page, press the (□) (hold) button. Press the (□) (hold) button again to resume.

Using the various display options:

To display	Press the
Hidden text (answers to quiz games, for example)	☐ (reveal)
◆ The normal screen	☐? (reveal) again
◆ A secondary page, by entering its 4-digit number	(subpage)
◆ The next page	(page up)
◆ The previous page	₩≣ (page down)
 Double-size letters in the: Upper half of the screen Lower half of the screen 	€ (size) • Once • Twice
◆ Normal screen	Three times



Using FLOF to Select a Page



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

- Display the teletext contents page by pressing the TEXT/MIX button.
- 2 Press the coloured button corresponding to the topic that you wish to select; the available topics are given on the status line.

Result: The page is displayed with other coloured information that can be selected in the same way.

- 3 To display the previous or next page, press the corresponding coloured button.
- 4 To display the subpage, see the following steps.
 - ◆ Press the (subpage) button.

Result: The available subpages appear.

◆ Select the required subpage.

Subpages can be scrolled by using the ເ or button.

Storing Teletext Pages

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

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



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	 ◆ Check that the mains lead has been connected to a wall socket. ◆ Check that you have pressed the ⊕ POWER button. ◆ Check the picture contrast and brightness settings. ◆ Check the volume.
Normal picture but no sound	 Check the volume. Check whether the MUTE button has been pressed on the remote control.
No picture or black and white picture	 Adjust the colour settings. Check that the broadcast system selected is correct.
Sound and picture interference	 Try to identify the electrical appliance that is affecting the set and move it further away. Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound	Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	 Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals.
"Check Signal Cable" message is displayed.	 Check that the signal cable is firmly connected to the PC or video sources. Check that the PC or video sources are turned on.
In PC mode, "Not Supported Mode" message is displayed.	 Check the maximum resolution and the frequency of the video Adapter. Compare these values with the data in the Display Modes Timing Chart.
In PC mode, horizontal or vertical bars appear to flicker, jitter or shimmer on the image.	◆ Adjust the Coarse or Fine function.
In PC mode, the screen is black and the power indicator light is steady amber or blinks every 0.5 or 1 seconds.	 The TV is using its power management system. Move the computer's mouse or press a key on the keyboard.

Troubleshooting: Before Contacting Service Personnel

In PC mode, the image is not stable and may appear to vibrate.

- 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.
- ◆ If the setting is not correct, use your computer utility programme to change the display settings.
 - Your set supports multiscan display functions within the following frequency domain:

Horizontal frequency - 30 ~ 68 kHz

Vertical frequency - 56 ~ 85 Hz

Maximum refresh rate - 1280 x 768 @ 60Hz

In PC mode, the image is not centred on the screen.

In PC mode, the image is not centred on • Adjust the horizontal and vertical position.

PowerSaver

This set has a built-in power management system called PowerSaver. This system saves energy by switching your set into a low-power mode when it has not been used for a certain period of time. The available modes are "On", "Standby", "Sleep", and "Deep Sleep". PowerSaver operates with a VESA DPMS compliant video card installed in your computer. You use a software utility installed on your computer to set up this feature.

State	Normal Operation	Power-Saving Function mode (EPA/NUTEK)
Horizontal Sync	Active	Inactive
Vertical Sync	Active	Inactive
Power Indicator	Green	Green, Blinking (1 sec interval)
Power Consumption	52 W (Normal)	Less than 3 W

This set automatically returns to normal operation when horizontal and vertical sync are restored.

This occurs when you move the computer's mouse or press a key on the keyboard.

Technical and Environmental Specifications

Model	LW17N23W / LW17N23N
Panel Size Display Size Type Pixel Pitch Viewing Angle	17" Diagonal 370.56 (H) x 222.36 (V) mm a-si TFT active matrix 0.2895 (H) x 0.2895 (V) mm 170/170 (Horizontal/Vertical)
Frequency Horizontal Vertical Display colour	30 ~ 68 kHz 56 ~ 85 Hz 16,777,216 colours
Display Resolution Maximum Mode	1280 x 768 @ 60 Hz
Input Signal Sync. Video Signal	H/V Separate, TTL, P. or N. 0.7 Vp-р @ 75 ohm
Power Supply Input Output	AC 100 ~ 240 V (50 / 60 Hz) DC 14 V / 4.5 A
Power Consumption Normal Power Saving	52 W < 3 W
Dimensions (W x D x H) / Weight TV Body With Stand	18.26 x 3.45 x 13.60 inch / 9.7 lbs (463.8 x 87.7 x 345.0 mm / 4.4 kg) 18.26 x 7.05 x 14.32 inch / 10.4 lbs (463.8 x 179.0 x 363.7 mm / 4.72 kg)
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50 °F to 104 °F (10 °C to 40 °C) 10% to 80% - 13 °F to 113 °F (-25 °C to 45 °C) 5% to 95%
Audio Characteristics Audio Input 1 Audio Input 2 (PC) Headphone Output Frequency Response	RCA Jack (L, R), 0.5 Vrms (-9dB) 3.5Ø Stereo Jack, 0.5 Vrms (-9dB) Max. 10 mW Output (3.5Ø Stereo Jack, 32Ω) RF: 80 Hz ~ 15 kHz (at- 3dB) A/V: 50 Hz ~ 15 kHz (at- 3dB)

Display Modes

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system does not equal the standard signal mode, adjust the mode with reference to the Video card user guide, as the screen may not display or only the power LED may be on. For the display modes listed below, the screen image has been optimised during manufacture.

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
Macintosh	640 X 480	35.000	66.667	30.240	-/-
	832 X 624	49.726	74.551	49.500	+/+
IBM	640 X 480	31.496	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	-/-
	640 X 480	43.269	85.008	36.000	-/-
	800 X 600	35.156	56.250	36.000	+ / -
	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	+ / +
	800 X 600	53.674	85.061	56.250	-/-
	1024 X 768	48.363	60.004	65.000	-/-
	1024 X 768	56.476	70.069	75.000	-/-
	1024 X 768	60.023	75.029	78.750	+ / +
	1024 X 768	68.677	84.997	94.500	+/+
GTF	1280 X 768	47.700	60.000	80.136	-/+

Maintenance of Your Television

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

Users must not service the TV.

Users maintanance is restricted to cleaning, as explained below:

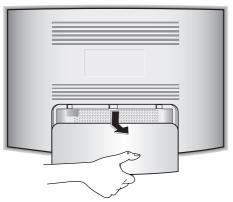
User maintenance is restricted to cleaning, as explained below:

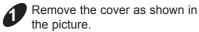
Unplug the television from the power outlet before cleaning.

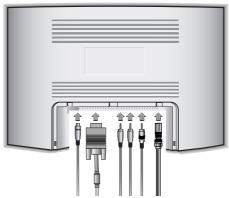
- When you clean the TFT-LCD and the external panel, please apply the recommended small amount of cleaner, using a soft, dry cloth to polish it.
 Do not force your television screen, scrubbing it only softly.
 The use of excessive force can result in stains on the screen.
- Never use flammable cleaning material to clean your television or any other electrical apparatus.

How to connect the cables and stand base

Colors may vary depending on the model you purchase.







Connect the cables as shown in the picture.

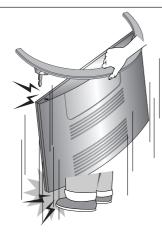






Attach the stand to the TV set as shown in the picture.

Note: The curved side of the stand base should be placed at the back of the TV set as shown in the above figure.





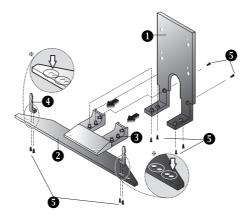
Do NOT lift the TV set by the stand.

The stand is not screwed to the TV set and lifting the set by the stand may cause injury.

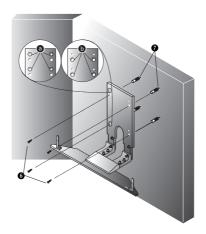
Installing the Wall Mount Kit (Sold separately)

This installation is to be used when attaching the wall mount to a concrete wall. When attaching to other building materials, please contact your nearest dealer.

1 Connect the hinge to the wall mount bracket.



Secure the bracket to the wall.



Use (a) holes to attach the VESA mount. Use (b) holes to attach the wall mount.

Installing the Wall Mount Kit (Sold separately)

Remove the base from the TV set.



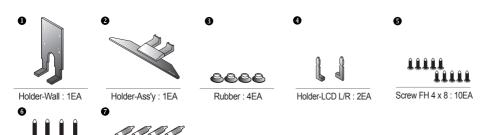
Mount the TV on the wall mount bracket.



Colors may vary depending on the model you purchase.

Screw BH 4 x 25 : 4EA

Anchor: 4EA



The wall mount bracket is sold separately.

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 BSI1362 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 color 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 colored in accordance with the following code:

BLUE - NEUTRAL BROWN - LIVE

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

The wire colored BLUE must be connected to the terminal marked with the letter N or colored BLUE or BLACK. The wire colored BROWN must be connected to the terminal marked with the letter L or colored 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 \(\pm\), OR COLORED GREEN OR GREEN AND YELLOW.

Memo

- AFTER SALES SERVICE

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

