

COLOUR TELEVISION SP43L2HX SP50L2HX SP61L2HX SP46L5HX

SP56L5HX

Owner's Instructions

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



Safety Instructions

- Do not expose the television to extreme temperature conditions or to extreme humidity conditions.
- Do not expose the television to direct sunlight and other sources of heat.
- Do not expose the television to any liquids.
- Never put objects of any kind into the television, and do not place a water-containing vessel on the television.
- During a storm conditions (especially when there is lightning) unplug the television from the mains socket and aerial.
- Do not step on or twist the power cord.
- Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock.
- Please use a soft and dry cloth (not containing volatile matter) when you clean the TV.
- If the television is broken, do not try to repair it yourself. Contact qualified service personnel.
- If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.
- Do not drop the remote control.

Caution

This device is not for use in industrial environments.

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

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

2

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



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





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

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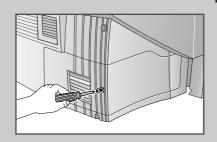
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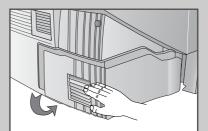
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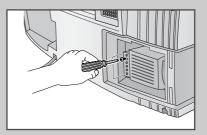
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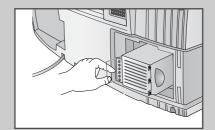
Replacing the Lamp (SP43L2HX/SP50L2HX/SP61L2HX)

- 1 Use a screwdriver to remove the screw.
- **2** Remove the Lamp cover.
- **3** Use a screwdriver to remove the screws securing the Lamp. There are 2 screws: one on the up and one on the down. When the screws have been completely unfastened, they will still be connected to the body of the Lamp.
- 4 Separate the Lamp from the engine by holding the handle and pulling it out.
- 5 To reinstall the Lamp, follow these steps in reverse order.
 - A Projection TV lamp is a consumable item, and should be replaced from time to time for best projector operation. If the screen image becomes dark, or timer, lamp and Temp LEDs flicker off at the same time, you may have to replace the lamp. When changing the lamp, you should first verify the type/model, and then use only the correct lamp replacement. The code for lamp regulation and usage is marked on the label. If you remove the lamp, you can identify this replacement code. You should only replace the lamp with the one of the same regulation code.
 - If you wish to buy a new lamp,please phone your Service Center or a nearby TV dealer, and tell them the model of your projection unit.
 - You can identify the lamp type on the left side of TV and the lamp cover.
 - The TV will be damaged if you use a lamp that is different from the original supplied by the manufacturer. Be sure the replacement lamp is the same model.
 - Please don't remove the lamp except when replacing with a new one.
 - Please turn off TV power before changing a lamp and then unplug after waiting 1 minute.
 - The cooling fan will help cool the lamp so you can safely remove it. The surface of the Lamp is very hot. Please wait for 30
 - minutes after turning off your projection TV to handle the lamp.
 Please keep the old lamp away from flammable articles and children. Dispose of properly.
 - Don't allow dirt or dust to accumulate inside the lamp cover or on the Lamp.
 - A dirty cover or lamp can catch fire, explode and cause electric shock.
 - Please don't touch the front glass of a new lamp or the glass of the lamp container.
 - If a new lamp is improperly handled, the quality of the screen image can be affected and the expected life span of the lamp can be reduced.
 - Be sure to tighten the lamp cover on the TV after changing the lamp. Note that the TV will not function if the lamp cover is not securely attached. Please tighten the holding screw on the lamp cover after it has been attached to the TV.



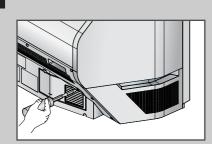


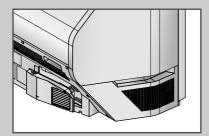


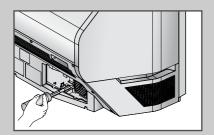


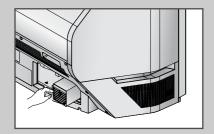
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Replacing the Lamp (SP46L5HX/SP56L5HX)



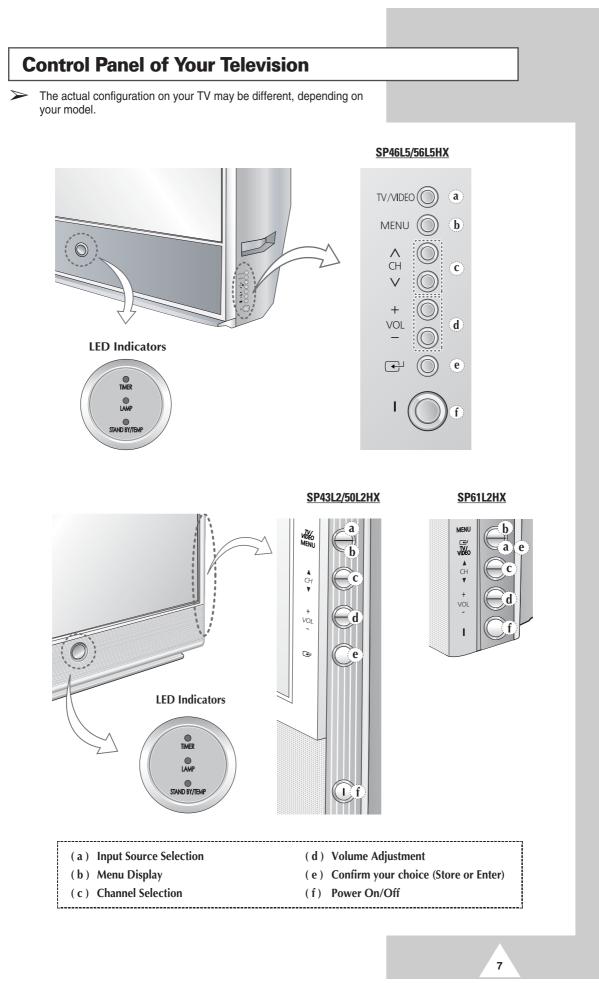






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- 1 Use a screwdriver to remove the screw.
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Control Panel of Your Television (continued)

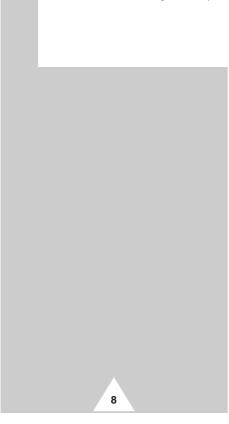
(\bullet :On, \bullet :Blinking, \bigcirc :Off)

TIMER	LAMP	STAND BY/TEMP	Indication
0	0	•	Standby mode.
•	0	0	A timer pilot lights when Timer Auto On or Off is selected.
0	•	0	Normal operation.
•	۲	0	Normal operation (when Timer Auto On or Off is selected).
0	0	0	Lamp is warming up. The normal picture comes on after 25 seconds.
•	•	0	The normal picture comes on after 25 seconds. (when Timer Auto On or Off is selected)
0	0	0	Air vent cover in the rear of the TV is not properly installed.
0	0	•	Inside temperature of the TV is over normal. Clean the air vent cover in the rear of the TV. Turn the TV back on after 1 hour.
•	0	•	The lamp does not work, please contact an authorized Service Center for assistance.

> Using the Buttons on the Panel

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

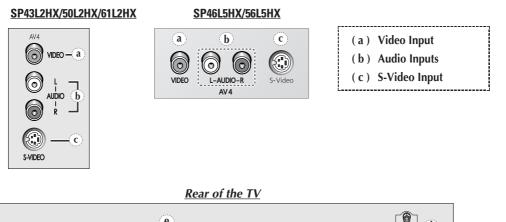
- Switch on the TV when it is in Standby mode and select channels (\blacktriangle CH \lor or \land CH \lor).
- Access the menu (**MENU**).
- ◆ Adjust the volume (VOL+).
- Switch among Video input modes (**TV/VIDEO**).

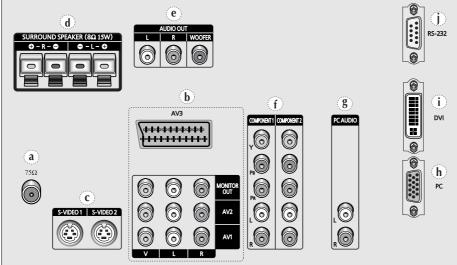


Connection Panel of Your Television

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

Side of the TV





a) 75Ω

Coaxial connector for Aerial or Cable Network.

- b) MONITOR OUT / AV1 / AV2 / AV3 Inputs or outputs for external devices, such as VCR, DVD, video game device or video disc
- c) S-VIDEO 1 / S-VIDEO 2 Video input for external devices with an S-Video output, such as a camcorder or VCR.
- d) SURROUND SPEAKER (8Ω 15W) Connectors for external rear speakers.

e) AUDIO OUT

>

players.

Amplifier (L/R) or powered speaker (WOOFER) connection to take full advantage of the surround sound effect.

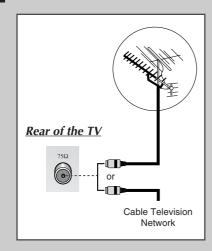
- f) COMPONENT 1 / COMPONENT 2 Video (Y/PB/PR) and audio (L/R) inputs for Component. (480i/480p, 576i/576p, 720p, 1080i)
- g) PC AUDIO (L/R) PC or DVI Audio inputs.
- h) PC (15 Pin) PC Video input.
- i) DVI (24 Pin) Video input for device with DVI input.

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j) RS-232 (only for service)

For further details about connection, refer to pages 54~60.

Connecting to an Aerial or Cable Television Network



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

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

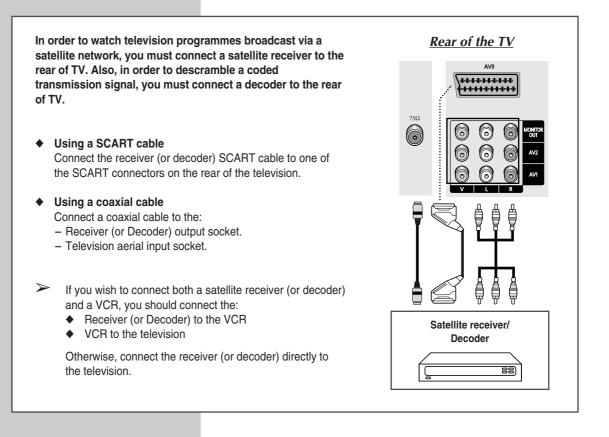
1 In the first three cases, connect the aerial or network input cable to the 75Ω coaxial socket on the rear of the television.

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

For further details, refer to:

- "Storing Channels Automatically" on page 17.
- "Storing Channels Manually" on page 18.

Connecting a Satellite Receiver or Decoder



Connecting Additional Speakers

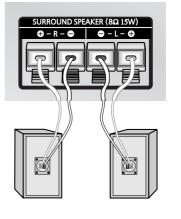
To take advantage of the surround sound system, connect additional speakers.

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

Two for the left-hand surround speaker (marked L)
 Two for the right-hand surround speaker (marked R)

To improve the quality of the sound, connect the:
 Red wire to the red terminal

Black wire to the black terminal

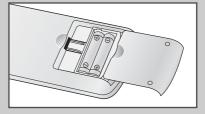


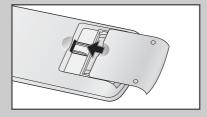
Inserting the Batteries in the Remote Control

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

- Purchase the television
- Find that the remote control is no longer operating correctly
- 1 Remove the cover on the rear of the remote control by pressing the symbol (*▼*) downwards and then pulling firmly to remove it.
- 2 Insert two R03, UM4, "AAA" 1.5V or equivalent batteries taking care to respect the polarities:
 - on the battery against on the remote control
 - + on the battery against + on the remote control
- **3** Replace the cover by aligning it with the base of the remote control and pressing it back into place.

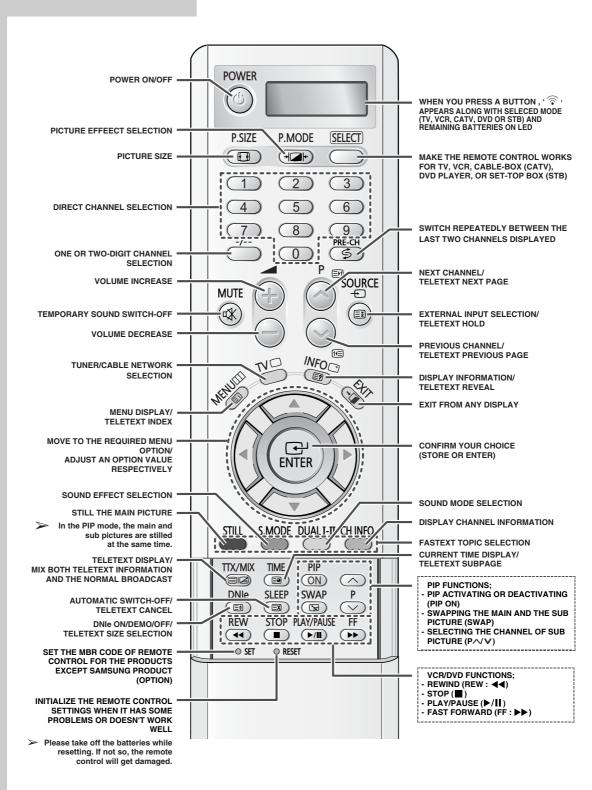






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Infrared Remote Control



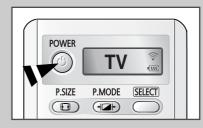
> The performance of the remote control may be affected by bright light.

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Switching Your Television On and Off

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

- 1 Plug the mains lead into an appropriate socket. \succ The main voltage is indicated on the rear of the television and the frequency is 50 or 60Hz. 2 Press the "I" button (On/Off) on the side of the television. The Standby indicator on the side of the television Result: lights up. 3 Press the **POWER** ((()) button on the remote control to switch the television on. The programme that you were watching last is re-Result: selected automatically. > If you have not yet stored any channels, No clear picture appears. Refer to "Storing Channels Automatically" on page 17 or "Storing Channels Manually" on page 18.
- 4 To switch your television off, press the "I" button (On/Off) again.



Placing Your Television in Standby Mode

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

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

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

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

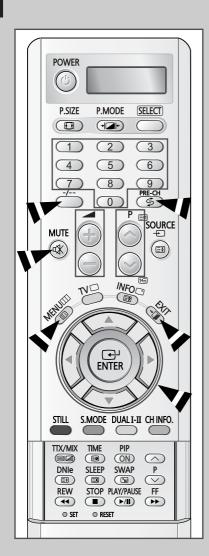
- 2 To switch the television back on, simply press the **POWER** ((()) button again or a numeric button.
 - > You can also switch on by pressing the \mathbf{P} or \bigcirc button.

Do not leave your television in Standby mode for long periods of time (when you are away on holiday, for example). Turn your television off by pressing the "**1**" button (On/Off) on the side of the television. It is best to unplug the set from the mains and aerial.



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Becoming Familiar with the Remote Control



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The remote control is used mainly to:

- Change channels and adjust the volume
- Display 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.	-
O to 9	Used to display the correspon	ding channels.
		els, the second digit must be er the first. Failure to do this will hannel being displayed.
-/	Used to select a channel num Press this button, and the "" Enter the two-digit channel nu	symbol is displayed.
PRE-CH (\$)	Used to switch repeatedly be displayed.	tween the last two channels
+	Used to increase the volume.	-
	Used to decrease the volume.	-
MUTE	Used to switch the sound off to	emporarily.
(➤ To turn the sound back press the ⊕ or ⊖ but	on, press this button again, or tton.
MENU (Ⅲ)	Used to display the on-screen menu system.	Used to return to the previous menu or normal viewing.
	-	 Used to: Display a submenu containing selections for the current menu option Increase/decrease a menu option value
ENTER	-	Used to confirm your choice.
EXIT (→I)	-	Used to exit from the menu system and return to normal viewing directly.

Plug & Play Feature

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

- 1 If the television is in Standby mode, press the **POWER** ((2)) button on the remote control.
 - <u>Result</u>: The message **Plug & Play** is displayed. It flickers for a little while, and then the **Language** menu is automatically displayed.
- 2 Select the appropriate language by pressing the ∇ or \blacktriangle button.
- **3** Press the **ENTER** () button to confirm your choice.

<u>Result</u>: The message **Antenna Input Check** is displayed.

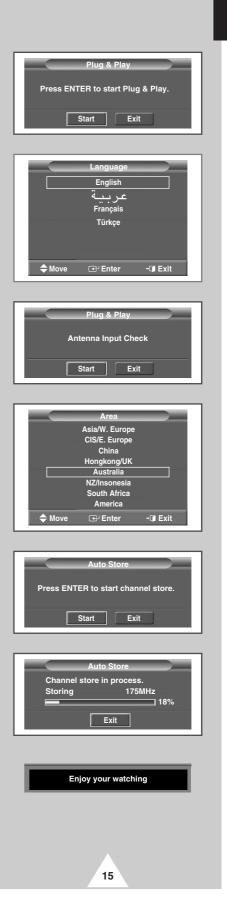
4 Make sure that the antenna is connected to the TV, and then press the **ENTER** () button.

Result: The Area menu is displayed.

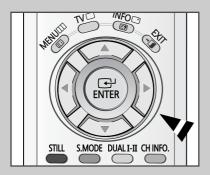
- 5 Select your area by pressing the $\mathbf{\nabla}$ or \mathbf{A} button.
- 6 Press the ENTER (🕑) button to confirm your choice.

Result: The Auto Store menu is displayed.

- 7 To start the search, select the **Start** and press the **ENTER** (e) button.
 - Result: The search will end automatically. Channels are sorted and stored in an order which reflects their position in the frequency range, (with lowest first and highest last). The programme originally selected is then displayed.
 - ➤ To stop the search before it has finished or return to normal viewing, press the EXIT (→□) or ENTER (⊡) button.
- 8 When it has finished, the message **Enjoy your watching** is displayed, and then the channel which has been stored will be activated.



Plug & Play Feature (continued)





If you want to reset this feature...

1	Press the MENU (Ⅲ) button. <u>Result</u> : The main menu is displayed.
2	Press the ▼ or ▲ button to select Setup . <u>Result</u> : The options available in the Setup group are displayed.
3	Press the ENTER (🚭) button.
4	Press the ▼ or ▲ button to select Plug & Play. Press the ENTER (↔) button.
	Result: The message Plug & Play is displayed.

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

Choosing Your Language

τv		Setup	
1. C.	Time Plug & Play		
	Language	: English	
0	Melody Blue Screen	: Off : Off	
	Film Mode Image Lock	Coff ► C	
200	Inage LOCK		
	🗢 Move	🕒 Enter 🛛 🖽 Return	
τv		Setup	
	Time		
	Plug & Play Language	Englich	
0	Melody Blue Screen	عربية :	
	Film Mode Image Lock	Français Türkçe	
200	Inage LOCK		
	🔷 Move	🕒 Enter 🛛 🖽 Return	
	1		

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

1	Press the MENU (I) button.
	Result: The main menu is displayed.
2	Press the ▼ or ▲ button to select Setup .
	<u>Result</u> : The options available in the Setup group are displayed.
3	Press the ENTER (관) button.
4	Press the ▼ or ▲ button to select Language . Press the ENTER (⊡) button.
	Result: The languages available are listed.
5	Select the appropriate language by pressing the \blacksquare or \blacktriangle button.
6	Press the ENTER (관) button to confirm your choice.
7	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, (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 \triangledown or \blacktriangle 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 Area . Press the ENTER (↔) button.	
	Result: The areas available are listed.	
5	Select your country (or area) by pressing the $\mathbf { abla}$ or $\mathbf {f A}$ button.	
6	Press the ENTER (🕑) button to confirm your choice	
7	Press the ▼ or ▲ button to select Auto Store . Press the ENTER (→) button.	
	Result: The Auto Store menu is displayed.	
8	Select the Start and press the ENTER (🕑) button to start the search.	
	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 stop the search before it has finished, press the EXIT (→□) or ENTER (⊡) button.	
9	 When the channels have been stored, you can: Sort them in the order required (see page 21) Clear a channel (see page 20) Fine-tune channel reception if necessary (see page 29) Assign a name to the stored channels (see page 22) Activate/deactivate the Digital Noise Reduction feature (see page 33) 	



17

Storing Channels Manually



	Manual Store	e)
Prog.	Color System	Sound System
	AUTO	BG
Channel	Search	Store
· · · ·	887MHz	?
▲► Move	🗢 Adjust	III Return

	Manual Store)
Prog.		Sound System
1 Channel	AUTO Search	BG Store
	887MHz	?
∢▶ Move	🗢 Adjust	III Return

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

When storing channels manually, you can choose:

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

1	Press the MENU (Ⅲ) button. <u>Result</u> : The main menu is displayed.
2	Press the ▼ or ▲ button to select Channel . <u>Result</u> : The options available in the Channel group are displayed.
3	Press the ENTER (🕑) button.
4	Press the ▼ or ▲ button to select Manual Store. Press the ENTER (⊡) button. Result: The Manual Store menu is displayed.
5	If papagany, calent the brandpating standard required. Brass the

- If necessary, select the broadcasting standard required. Press the
 ✓ or ► button to select Color System and press the V or ▲
 button. The colour standards are displayed in the following order.
 (depending on the model).
 - ◆ AUTO PAL SECAM
 - ◆ AUTO NTSC3.58 NTSC4.43 PAL60
- 6 Press the ◄ or ➤ button to select Sound System and press the ▼ or ▲ button. The sound standards are displayed in the following order. (depending on the model).
 - ◆ BG DK I M

Storing Channels Manually (continued)

- 7 If you know the number of the channel to be stored, see the following steps.
 - Press the ◄ or ▶ button to select Channel.
 - Press the ▼ or ▲ button to select c (Air channel) or s (Cable channel).
 - ♦ Press the ▶ button.
 - Press the numeric buttons (0~9) to select indicate the required number.
 - If no sound or abnormal sound, re-select the sound standard required.
- 8 If you do not know the channel numbers, select the **Search** by pressing the ◀ or ► button. Press the ▼ or ▲ button to start the search.
 - <u>Result</u>: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.
- 9 To assign a programme number to a channel, select the **Prog.** by pressing the ◀ or ► button. Press the ▼ or ▲ button until you find the correct number.
- 10 To store the channel and associated programme number, select the **store** by pressing the ◄ or ► button. Press the **ENTER** (🕑) button.

Result: The ? will be changed to OK .

11 Repeat Steps 7 to 10 for each channel to be stored.

Channel mode

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

	Manual Stor	e)
Prog.	Color System	Sound System
1	AUTO	BG
Channel	Search	Store
C	887MHz	?
▲► Move	09 Adjust	III Return

	Manual Store)
Prog.	Color System	Sound System
	AUTO	BG
Channel	Search	Store
	887MHz	?
∢ ▶ Move	🗢 Adjust	III Return

	Manual Store	•
Prog.	Color System	Sound System
	AUTO	BG
Channel	Search	Store
C	887MHz	ОК
♦► Move	🚭 Select	III Return

Skipping Unwanted Channels



20

• Skipping unwanted channels

You can exclude the channels of your choice from the channel scan operation. When you scan through the stored channels, those that you have chosen to skip are thus not displayed. All channels that you do not specifically choose to skip are displayed during scanning.

1	Press the	MENU ([]]) button.
	Result:	The main menu is displayed.
2	Press the	▼ or ▲ button to select Channel.
	<u>Result</u> :	The options available in the Channel group are displayed.
3	Press the	ENTER (급) button.
4	Press the button.	▼ or ▲ button to select Edit . Press the ENTER (↔)
	Result:	The Edit menu is displayed.
5	Press the (健) but	▼ or ▲ button to select Add/Delete. Press the ENTER ton.
	<u>Result</u> :	The Add/Delete menu is displayed with the current channel automatically is selected.
6	Press the	\blacksquare or \blacktriangle button to select the channel to be deleted.
7	the chann	ENTER (↔) button to Add/Delete. To add or delete el, select Added or Deleted by pressing the ▼ or ▲ ess the ENTER (↔) button to confirm.

Sorting the Stored Channels

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

1	Press the <u>Result</u> :	MENU (Ⅲ) button. The main menu is displayed.
2	Press the <u>Result</u> :	▼ or ▲ button to select Channel . The options available in the Channel group are displayed.
3	Press the	ENTER (군) button.
4	Press the button.	\blacksquare or \blacktriangle button to select Edit. Press the ENTER (\textcircled{I})
	Result:	The Edit menu is displayed.
5	Press the button.	▼ or ▲ button to select sort . Press the ENTER (↔)
	Result:	The sort menu is displayed.
6		e channel that you wish to move by pressing the ▼ or ▲ ress the ENTER (↔) button.
7		e number of the programme to which the channel is to be γ pressing the \blacksquare or \blacktriangle button. Press the ENTER (\boxdot)
	<u>Result</u> :	The channel is moved to its new position and all other channels are shifted accordingly.

8 Repeat Steps 6 to 7 until you have moved all the channels to the required programme numbers.



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Assigning Names to Channels



22

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 (Ⅲ) button. <u>Result</u> : The main menu is displayed.
2	Press the V or ▲ button to select Channel. <u>Result</u> : The options available in the Channel group are displayed.
3	Press the ENTER (🚭) button.
4	Press the ▼ or ▲ button to select Edit. Press the ENTER (↔) button.
	Result: The Edit menu is displayed.
5	Press the ▼ or ▲ button to select Name . Press the ENTER (↔) button.
	Result: The Name menu is displayed with the current channel automatically is selected.
6	If necessary, select the channel to be assigned a new name by pressing the \triangledown or \blacktriangle button. Press the ENTER (\boxdot) button. <u>Result</u> : Arrow indications are displayed around the name box.
7	Press the ∇ or \blacktriangle button to select a letter (A~Z), a number (0~9) or a symbol (-, space). Move on the previous or next letter by pressing the \blacktriangleleft or \triangleright button.
8	When you have finished entering the name, press the ENTER (() button to confirm the name.

Activating the Child Lock

• Activating the child lock

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

1	Press the MENU (Ⅲ) button. <u>Result</u> : The main menu is displayed.
2	 Press the ▼ or ▲ button to select Channel. <u>Result</u>: The options available in the Channel group are displayed.
3	Press the ENTER (🔁) button.
4	Press the ▼ or ▲ button to select Edit . Press the ENTER (🕑) button.
	Result: The Edit menu is displayed.
5	Press the ▼ or ▲ button to select Child Lock . Press the ENTER (() button.
	<u>Result</u> : The Child Lock menu is displayed with the current channel automatically is selected.

- 6 Press the ▼ or ▲ button to select the channel to be locked.
- 7 Press the ENTER (↔) button. To lock the channel, select Locked by pressing the ▼ or ▲ button (to unlock the channel, select Unlocked). Press the ENTER (↔) button to confirm.





тν	Child Lo	ck
100 m	Prog.	
ļ.	2 *	Unlocked
O	3 *	Unlocked Unlocked
	5 * 6 *	Unlocked Unlocked
30	· · ·	
	🗢 Move 🕞 Ente	r 🖽 Return



23

Selecting a Channel by Information







P1 *	
Mono	
Picture Mode	Dynamic
Sound Mode	Speech
Surround	Off
Sleep Timer	Off
Clock	: am
	τν

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You can display the list of stored channels.

1	Press the CH INFO. button.	
	<u>Result</u> :	 A list is displayed with the first 5 channels. Two text boxes to the right of the list indicate: Whether the Teletext feature is available. Which sound mode is being used.
2	To scroll through the stored channels, press the $oldsymbol{ abla}$ or $oldsymbol{\Delta}$ button.	
	Result:	The corresponding channel is displayed.
3	Press the EXIT (\neg I) button to select a specific channel.	
	<u>Result</u> : The corresponding channel is displayed and Information box disappears.	

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

Changing the Picture Standard

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

1		MENU ([[]]) button. The main menu is displayed.
2	Press the Result:	▼ or ▲ button to select Picture . The options available in the Picture group are displayed.
3		ENTER (🕑) button. The Mode is selected.
4	Press the <u>Result</u> :	ENTER (🕞) button agin. The options available are listed.
5	Select the <u>Result</u> :	 option by pressing the ▼ or ▲ button. The following modes are available depending on the input source. Dynamic - Standard - Movie - Custom High - Middle - Low - Custom (PC or DVI Mode).

6 Press the ENTER (🕑) button to confirm.

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

Picture т٧ Mode : Dynamic -Custom Color Tone : Normal \bigcirc Size Digital NR DNIe D 1 : On Γ PIP 35 🗢 🗢 🕀 🕀 🕀 🕀





	Dynamic
and the second se	

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Adjusting the Picture Settings



PIP

🔷 Move 🖙 Enter 🛄 Return

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

1	Press the MENU ([]]) button. <u>Result</u> : The main menu is displayed.
2	Press the ▼ or ▲ button to select Picture . <u>Result</u> : The options available in the Picture group are displayed.
3	Press the ENTER (🚭) button.
4	Select the required option (Custom , Color Tone) pressing the \blacksquare or \blacktriangle button.
5	Press the ▼ or ▲ button to select Custom . Press the ENTER (←) button. Result: The Custom menu is displayed.
6	Press the ENTER () button to change the setting. The options are displayed in the following order.
	Custom : Contrast, Brightness, Sharpness, Color
	The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◄ or ► button.
	When the picture mode is set to Custom, the value of these option may vary be changed depending on the input source (ex. RF, Video, Component, PC or DVI).
	If you make any changes to these settings, the picture standard is automatically switched to the Custom
	• Color Tone : Cool2, Cool1, Normal, Warm1, Warm2
7	When you are satisfied with the settings, press the EXIT (→□) button to return to nomal viewing.

Adjusting the Picture Settings (PC or DVI Mode)

Preset to the PC or DVI mode by using the SOURCE button.

1	Press the MENU ([]]) button. <u>Result</u> : The main menu is displayed.
2	
2	Press the ▼ or ▲ button to select Picture .
	<u>Result</u> : The options available in the Picture group are displayed.
3	Press the ENTER (🕞) button.
4	Press the ▼ or ▲ button to select Custom . Press the ENTER (⊡) button.
	Result: The Custom menu is displayed.
5	Press the ▼ or ▲ button to select the option (Contrast , Brightness) to be adjusted. Press the ENTER (↔) button.
	Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◄ or ► button.
6	Press the ENTER (🕞) button to confirm.
7	Press the MENU (IIII) button.
	Result: The options available in the Picture group are displayed again.
8	Press the \triangledown or \blacktriangle button to select Color Tone . Press the ENTER (\boxdot) button.
	Result: The options available are listed.
9	Select the option by pressing the $\mathbf{\nabla}$ or \mathbf{A} button. The following colour tones are displayed.
	Cool - Nomal - Warm - Custom
10	Press the ENTER (🕞) button to confirm your choice
11	Press the ▼ or ▲ button to select Color Adjust . Press the ENTER (→) button.
	Result: The Color Adjust menu is displayed.
12	Press the ▼ or ▲ button to select the option (Red , Green , Blue) to be adjusted. Press the ENTER (→) button.
	Result:The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the \blacktriangleleft or \blacktriangleright button.
13	Press the ENTER (🕞) button to confirm your choice
14	When you are estimized with the pattings proce the EVIT (

14 When you are satisfied with the settings, press the EXIT (→□) button to return to nomal viewing.



Setting the Picture (PC Mode)

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Setup TV Time 100 Language : English Melody : Off 0 Blue Screen : On Film Mo Image Lock T Move 🕀 Enter 🛛 🖽 Return тν Image Lock Coarse 50 Fine 20 Position \odot Auto Adjustment 1 Ð 🗢 Move 🕑 Enter 🛛 🖽 Return



Auto Adjustment

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1 Press the MENU (.) button. The main menu is displayed. Result: 2 Press the $\mathbf{\nabla}$ or \mathbf{A} button to select **Setup**. Result: The options available in the Setup group are displayed. 3 Press the ENTER (🕞) button. 4 Press the $\mathbf{\nabla}$ or \mathbf{A} button to select **Image Lock**. Press the ENTER (🖵) button. 5 Press the ▼ or ▲ button to select the option (Coarse, Fine) to be adjusted. Press the ENTER (🖵) button. Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the \blacktriangleleft or \triangleright button. 6 Press the ENTER (+) button to confirm your choice 7 Press the **MENU** (_____) button. Result: The options available in the Image Lock group are displayed again. 8 Press the $\mathbf{\nabla}$ or \mathbf{A} button to select **Position**. Press the ENTER (🗗) button. Result: The options available in the **Position** group are displayed. 9 Adjust the position by using the $\mathbf{\nabla}$, \mathbf{A} , $\mathbf{\triangleleft}$, or $\mathbf{\triangleright}$ button. 10 Press the MENU (.) button. The options available in the Image Lock group are Result: displayed again. 11 To adjust the screen quality and position automatically, select the **Auto Adjustment** by pressing the **▼** or **▲** button. Press the ENTER (🕑) button. The Auto Adjustment is displayed. The screen quality Result: and position are automatically adjusted. 12 When you are satisfied with the settings, press the EXIT (→□) button to return to nomal viewing.

Preset to the PC mode by using the SOURCE button.

Using the Fine Tune

If reception is weak, you can fine tune a channel manually.

1	Press the <u>Result</u> :	MENU (Ⅲ) button. The main menu is displayed.
2	Press the <u>Result</u> :	▼ or ▲ button to select Channel . The options available in the Channel group are displayed.
3	Press the	ENTER (단) button.
4	Press the (健) bu	e ▼ or ▲ button to select Fine Tune . Press the ENTER tton.
	<u>Result</u> :	The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the ◀ or ► button

5 Press the ◄ or ► button until the picture and sound are both clear and sharp.

to reach the required setting.

If you are unable to fine tune a channel, check that the Color System and Sound System settings are correct.

тν Channel Area : Austria -Auto Store Manual Store Edit \odot Fine Tune ► 1 Ch. Scan ► LNA Þ 35 🗢 Move 🕞 Enter 🖽 Return

Fine Tune
P 1
0
Reset Return
✦ Move ◀▶ Adjust 군 Store

	Fine Tune	_
P 1 is f	fine tuned.	
	3	
F	Reset Return	
🗢 Move	∢► Adjust 🛛 🕀 St	ore

Fine 1	Гune
P 1	
	0
Reset	Return
< ↓ Move	G Select



Viewing the Channel Scan Picture





- Press the MENU (□□) button. <u>Result</u>: The main menu is displayed.
 Press the V or ▲ button to select Channel. <u>Result</u>: The options available in the Channel group are displayed.
 Press the ENTER (□·) button.
 Press the V or ▲ button to select Ch. Scan. Press the ENTER (□·) button.
 - <u>Result</u>: You can view every memorized channel in order.

Freezing the Current Picture



30

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

In the PIP mode, the main and sub pictures are stilled at the same time.

Using the LNA (Low Noise Amplifier) Feature

This function is very useful in the situation that the TV is used in weak signal. LNA amplifies the TV signal in the weak signal area, but not noise.

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

1	Press the MENU ([]]) button.	
	Result: The main menu is displayed	
2	Press the \blacksquare or \blacktriangle button to select Chan	nel.
	<u>Result</u> : The options available in displayed.	the Channel group are
3	Press the ENTER (🕞) button.	
4	Press the $\mathbf{\nabla}$ or \mathbf{A} button to select LNZ button.	A. Press the ENTER (🕑)
	Result: The options available are lis	ted.

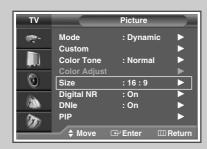
- 5 Select the required channel by pressing the ▼ or ▲ button. Press the ENTER (↔) button.
- 6 Select **on** or **off** by pressing the ▼ or ▲ button. Press the **ENTER** (↔) button to confirm.
- ▶ ♦ If the picture is noisy with the **LNA** set to **On**, select **Off**.
 - LNA setting is to be made for each channel.





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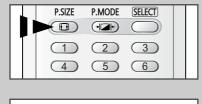
Selecting the Picture Size





PC Mode





16:9

32

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		▲ or ▼ button until the Picture is selected.
	<u>Result</u> :	The options available in the Picture group are displayed.
3	Press the	ENTER (단) button.
4		▲ or ▼ button until the Size is selected. Press the ⊖) button.

- Result: The following modes are available: (depending on the model)
 - 16:9 Panorama Zoom 1 Zoom 2
 Stretch 14:9 4:3
 - ◆ 16:9 4:3 (PC Mode)

Zoom2. Magnify the size of the picture more than 4:3.
Zoom2.
Using this mode, magnify the picture vertically and horizontally to be bigger than the picture in
Magnify the size of the picture more than zoom1 .
Magnify the size of the picture vertically on screen.
Use this mode for the wide aspec ratio of a panoramic picture.
Sets the picture to 16:9 wide mode.

5 Press the ENTER (🕑) button to confirm.

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- You can select these options by simply pressing the
 P.SIZE (⊕) button on the remote control. At this time, lifting is available in the **Zoom1** or **Zoom2** mode by pressing the ▲ or ▼ button.
 - The picture size can not be changed in the PIP mode.

Using the Digital NR (Digital Noise Reduction) Feature

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

1	Press the MENU (Ⅲ) button. <u>Result</u> : The main menu is displayed.
2	Press the \blacktriangle or \blacktriangledown button until the Picture is selected.
	<u>Result</u> : The options available in the Picture group are displayed.
3	Press the ENTER (🚭) button.
4	Press the ▲ or ♥ button until the Digital NR is selected. Press the ENTER (↔) button.
5	Select Off or On by pressing the \blacktriangle or \checkmark button Press the

 \bigcirc Size Digital NR DNIe : On : On 1 PIP 35 💠 Move 🖙 Enter 💷 Return тν Picture Mode Custom : Dynamic -Colour Tone : Normal Colour Adjust Size 0

τν

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m

Mode

Custom

Color Tone

Digital NR

Move

DNIe PIP Picture

: Dynamic

: Normal

: On

🖼 Enter 🛛 💷 Return

5 Select **Off** or **on** by pressing the ▲ or ▼ button. Press the **ENTER** (↔) button to confirm.



DNIe[™] (Digital Natural Image engine) DNIe[™]





Π	STILL	S.MODE	DUALI-II	CH INFO.	
	TX/MIX DNle	TIME SLEEP STOP	PIP ON SWAP SWAP	P FF	

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This feature bring you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm gives brighter, clearer, much detailed image to you. DNIe[™] technology will fit every signals into your eyes..

1	Press the MENU ([]]) button. <u>Result</u> : 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 (관) button.
4	Press the ▼ or ▲ button to select DNIe . Press the ENTER (↔) button.
5	Press the \triangledown or \blacktriangle button to change the setting. Press the ENTER (\textcircled{P}) button to confirm.

- **On**: Switches on the DNIe mode.
 - Demo (Option): The screen before applying DNIe appears on the right and the screen after applying DNIe appears on the left.
- **off**: Switches off the DNIe mode.

> You can also set these options simply by pressing the **DNIe** button.

Setting the Blue Screen

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".

1	Press the MENU (Ⅲ) button. <u>Result</u> : 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.
1	Proof the V or A button to colort Pluse Several Proof the

- 4 Press the ▼ or ▲ button to select Blue Screen. Press the ENTER (↔) button.
- **5** Press the $\mathbf{\nabla}$ or $\mathbf{\Delta}$ button to change the setting. (**on** or **off**).



Selecting the Film Mode

You can automatically sense and process film signals from all sources and adjust the picture for optimum quality.

1	Press the MENU (IIII) 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 Film Mode Press the ENTER (↔) button.
- **5** Press the ∇ or \blacktriangle button to change the setting. (**Off** or **On**).
 - On : Automatically senses and processes film signals from all sources and adjusts the picture for optimum quality.
 Off : Switches off the Film Mode.
 - > Not available in TV, PC or DVI modes.



Changing the Sound Standard





Music

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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 \blacktriangle button to select Sound .Result:The options available in the Sound group are displayed.
3	Press the ENTER (🕑) button. <u>Result</u> : The Mode is selected.
4	Press the ENTER (🚭) button agin.
5	Select the option by pressing the ▼ or ▲ button. The sound effects are displayed in the following order. Standard – Music – Movie – Speech – Custom .
6	Press the ENTER (🕑) button to confirm.

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

Adjusting the Sound Settings

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

1		MENU ([[]]) button.
	<u>Result</u> :	The main menu is displayed.
2	Press the <u>Result</u> :	▼ or ▲ button to select Sound . The options available in the Sound group are displayed.
3	Press the ENTER (단) button.	
4	Press the (⊡) bu	▼ or ▲ button to select Custom . Press the ENTER tton.
	<u>Result</u> :	The Custom menu is displayed with the current option.

- 5 Select the option to be adjusted by pressing the ◄ or ► button. Press the ▼ or ▲ button to reach the required setting.
 - If you make any changes to the equalizer settings, the sound standard is automatically switched to the Custom.

тν Sound Mode : Custom Custom Auto Volume : Off : Off Surround \odot Audio Out : Off 1 Internal Mute : Off 35 🔷 Move 🖙 Enter 🛄 Return



Adjusting the Volume Automatically

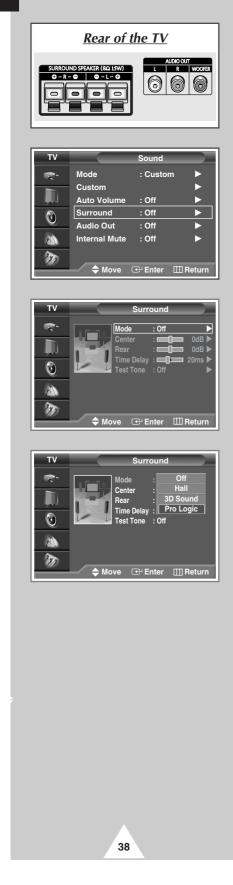
Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the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

1	Press the MENU ([]]) button. <u>Result</u> : The main menu is displayed.
2	Press the \bigvee or \blacktriangle button to select Sound . <u>Result</u> : The options available in the Sound group are displayed.
3	Press the ENTER (🚭) button.
4	Press the ▼ or ▲ button to select Auto Volume . Press the ENTER (↔) button.
5	Select the option (Off or On) by pressing the $\mathbf{\nabla}$ or \mathbf{A} button.





Setting the Dolby Pro Logic



This mode allows you enjoy Dolby Pro Logic Surround effect fully with only surround speakers are connected to TV. This allows various modes for the main, center and rear speakers to be selected.

Surround Mode	Input Signal	Main	Speakers Centre	Rear
Pro Logic	Stereo Mono	~	<i>v</i> <i>v</i>	~
3D Sound	Stereo Mono	<i>v</i> <i>v</i>		
Hall	Stereo Mono	v v		
Off	Stereo Mono	<i>v</i> <i>v</i>		

> V; Sound

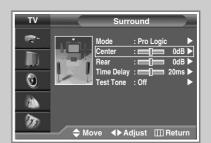
1	Press the MENU (.) button.	
	Result: The main menu is displayed.	
2	Press the \blacksquare or \blacktriangle button to select Sound .	
	<u>Result</u> : The options available in the Sound group are displayed.	
3	Press the ENTER (🕶) button.	
4	Press the ▼ or ▲ button to select surround . Press the ENTER (() button.	
	Result: The Surround menu is displayed with the Mode is selected.	
5	Press the ENTER (🕑) button.	
	Result: The options available are listed.	
6	Select the option by pressing the ▼ or ▲ button. The surround modes are displayed in the following order.	
	Off - Hall - 3D Sound - Pro Logic	
	> Woofer sound is not available in Hall mode.	
7	If you select the Pro Logic, the options available are displayed.	

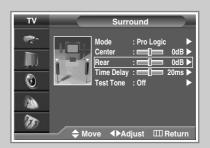
Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

Adjusting Your Dolby Preferences

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

- Volume of the centre and rear speakers
- Pro Logic delay time for the rear speakers (between 15 and 30 ms)
- Activation/deactivation of the test tone to simulate the volume on each speaker
- 1 Press the MENU (Ⅲ) button. <u>Result</u>: The main menu is displayed.
- Press the ▼ or ▲ button to select **sound**.
 <u>Result</u>: The options available in the **sound** group are displayed.
- **3** Press the **ENTER** (→) button.
- Press the ▼ or ▲ button to select Surround. Press the ENTER (→) button.
 Result: The Surround menu is displayed with the current option.
- 5 Select the option (Center, Rear, Time Delay, Test Tone) by pressing the ▼ or ▲ button. Press the ◄ or ► button to reach the required setting.
- 6 When you are satisfied with the settings, press the **EXIT** (→□) button to return to nomal viewing.



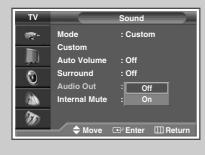






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Setting the External Sound



τv		Sound
	Mode	: Custom
	Custom	
, , , , , , ,	Auto Volume	: Off
	Surround	: Off
<u> </u>	Audio Out	: Off
23	Internal Mute	: Off
E.		On
	🗢 Move	🕑 Enter 🛛 🖽 Return

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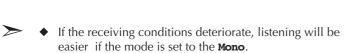
This feature allows you can adjust to suit your personal preferences when the equipment with output is connected to the television.

1	Press the MENU ([[]]) button. <u>Result</u> : 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 $\mathbf{\nabla}$ or \mathbf{A} button to select Audio Out . Press the ENTER (\mathbf{E}) button.	
5	 Select the required option (off or on) by pressing the ▼ or ▲ button. If you want to adjust the volume level with the volume control on the TV or external amplifier, set to off. 	
	 If you set to on You can adjust the volume level with the volume control on the audio amplifier. And the Internal Mute is set to On automatically, and you can not select it. The volume control buttons (MUTE, (), ()) of the television and remote control do not work. 	
6	Press the ENTER (🕑) button to confirm.	
7	 Press the ▼ or ▲ button to select Internal Mute. If you set to On, no sound outputs of all internal and external speakers. ➤ When the Audio Out is set to Off, you can select the Internal Mute and control it. 	

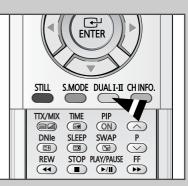
Selecting the Sound Mode (depending on the model)

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

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



- If the stereo signal is weak and an automatic switching occurs, then switch to the **Mono**.
- When receiving a mono sound in the AV mode, connect to the "AUDIO-L" input connector on the side of the television. If the mono sound comes out only from left speaker, press the DUAL I-II button.



Setting the Melody Sound



🔷 Move 🖙 Enter 🛄 Return

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

1	Press the MENU ([]]) button. <u>Result</u> : The main menu is displayed.
2	Press the V or ▲ button to select Setup . <u>Result</u> : The options available in the Setup group are displayed.
3	Press the ENTER (🗗) button.
4	Press the ∇ or \blacktriangle button to select Melody . Press the ENTER

(健) button. 5 Select the option (**Off** or **On**).

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 .
	<u>Result</u> :	The options available in the Setup group are displayed.
3	Press the	ENTER (군) button.
4	Press the button	▼ or ▲ button to select Time . Press the ENTER ($↔$)
	Result:	The options available in the $\verb"time"$ group are displayed.
5	Press the ▼ or ▲ button to select Sleep Timer . Press the ENTER (←) button.	
	<u>Result</u> :	The sleep Timer menu is displayed with the Min. is selected.
6		preset time intervals (Off , 30 , 60 , 90 , 120 , 150 , 180) by he $\mathbf{\nabla}$ or \mathbf{A} button.

- 7 When you are satisfied with the settings, select **Activation** to **Yes** or **No** by pressing the ∇ or \blacktriangle button.
- 8 Press the ENTER () button to confirm your selection.

You can also set these options simply by pressing the SLEEP button.

 If the sleep timer is not yet set, **Off** is displayed.
 If the sleep timer is already set, the remaining time before which the television switches to Standby mode is displayed.

Power Off : TV automatically turns off when it receives no input signal for 15 minutes or longer.

тν Setup Time -Plug & Play Language : English D Melody : Off D \bigcirc Blue Screen : On Film Mode Image Loci 1 Ð

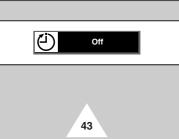
♦ Move 🕑 Enter 🎹 Return











Setting and Displaying the Current Time



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

When pressing the "I" button (On/Off) on the front of the television, the clock setting will be reset.

1	Press the MENU (I) 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 (관) button.	
4	Press the \blacksquare or \blacktriangle button to select Time . Press the ENTER ($\textcircled{\bullet}$) button.	
	Result: The options available in the Time group are displayed with Clock is selected.	
5	Press the ENTER (🕑) button.	
6	Press the ◀ or ▶ button to move to the Hour , Min (Minute) or am/pm. Set the hour or minute by pressing the ▼ or ▲ button.	
7	When you have finished, press the ENTER (🕞) button to exit.	
8	Press the INFO () button to display the current time.	

Switching the Television On and Off Automatically

You can set the television's clock and set the On or Off timers so that the television will:

- Switch on automatically and tune to the channel of your choice at the time you select
- Switch off automatically at the time you select
- The first step is to set the television's clock (refer to "Setting and Displaying the Current Time" on the previous page).
- 1 Press the MENU (.) button. Result: The main menu is displayed. 2 Press the ▼ or ▲ button to select **Setup**. The options available in the Setup group are Result: displayed. 3 Press the ENTER (🕞) button. 4 Press the ∇ or \blacktriangle button to select **Time**. Press the **ENTER** (\bigcirc) button. Result: The options available in the **Time** group are displayed. 5 Press the $\mathbf{\nabla}$ or $\mathbf{\Delta}$ button to select **on Timer**. Press the **ENTER** (🖵) button. Result: The options available in the **On Timer** group are displayed. 6 Select the Hour, Min., Prog., Volume by pressing the < or > button. Set these by pressing the $\mathbf{\nabla}$ or \mathbf{A} button.
- 7 When you are satisfied with the settings, select Activation to Yes or No by pressing the ▼ or ▲ button.
- 8 Press the MENU (□□) button. <u>Result</u>: The options available in the **Time** group are displayed again.
- 9 Press the ▼ or ▲ button to select off Timer. Press the ENTER
 (⊡) button.
 Result: The off Timer menu is displayed.
- 10 Select the Hour, Min. or Activation by pressing the ◄ or ► button. Set these by pressing the ▼ or ▲ button.
 - When pressing the "I " button (On/Off) on the side of the television, the clock setting will be reset.

Absent Power Off

When you set the timer "On", your television will eventually be turned off, if you do not operate any controls during the 3 hours after the TV is turned on by timer. This function is available in only the timer "On" mode and will prevent a leakage accident or overheating, caused by your TV left on for a long time due to the timer "On" (when you are away on holiday, for example).



ENG

тν		Time	
-	Clock	: 00 : 01	►
	Sleep Timer	: Off	
, ju	On Timer	: Off	
٢	Off Timer	: Off	•
ZA			
Ð	🗢 Move	🕞 Enter	III Return





45

Viewing an External Signal Source



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

	Press the MENU (IIII) button.			
	Result:	The main menu is displayed.		
2	Press the \blacksquare or \blacktriangle button to select Input .			
	<u>Result</u> :	The options available in the Input group are displayed.		
3	Press the	ENTER (단) button.		
4		▼ or ▲ button to select Source . ENTER (⊡) button.		
	<u>Result</u> :	The options available in the Source group are displayed.		
5		\blacksquare or \blacktriangle button to select signal source, then press the \exists) button.		
	betw Comp	n you connect equipment to the TV, you can choose even the following sets of jacks : AV1 , AV2 , AV3 , ponent1 , Component2 , PC or DVI on the TV's rear el, and AV4 or S-Video on the TV's side panel.		
6	Press the MENU (Ⅲ) button and select Input . Press the ENTER (↔) button.			
7	Press the (🗗) butte	♥ or ▲ button to select Edit Name . Press the ENTE on.		
	<u>Result</u> :	The options available in the Edit Name group are displayed.		
8	Press the ▼ or ▲ button to select external device : AV1 - AV2 - AV3 - AV4 - Component1 - Component2 - PC - DVI.			
9	Press the I <u>Result</u> :	ENTER (() button. The Edit Name available are listed.		
	Select the name by pressing the $\mathbf{\nabla}$ or $\mathbf{\Delta}$ button. Press the ENTER (\mathbf{C}) button.			
10		51 0		

Viewing the Picture In Picture (PIP)

You can display a sub picture within the main picture of TV program or external A/V devices. In this way you can watch TV program or monitor the video input from any connected devices while watching TV or other video input.

1	Press the Result:	MENU (Ⅲ) button. The main menu is displayed.
	<u>1105011</u> .	
2	Press the	▼ or ▲ button to select Picture .
	<u>Result</u> :	The options available in the Picture group are displayed.
3	Press the button.	▼ or ▲ button to select PIP . Press the ENTER (🕞)
	Result:	The options available in the $\ensuremath{\mathtt{PIP}}$ group are displayed.
4	To activate	e, set the PIP to on by pressing the \blacksquare or \blacktriangle button.
5	Press the	ENTER (단) button.
6		▼ or ▲ button to select Source . Select a source of the e by pressing the ENTER (↔) button.
	Result:	The sources are displayed in the following order:
		TV - AV1 - AV2 - AV3 - AV4 - Component1 - Component2 - PC - DVI
7	Press the button.	▼ or ▲ button to select Swap. Press the ENTER (⊡)
	Result:	The main picture and sub picture are interchanged.
8		▼ or ▲ button to select Size . Select a size of the sub pressing the ENTER (↔) button.
	Desults	The sime and discharged in the following endow

Result: The sizes are displayed in the following order: (Large) – (Small) – (Double1) – (Double2)

тν Picture Mode : Dynamic -Custom Color Tone : Normal \bigcirc Size Digital NR DNIe 1 : On PIP 35 🗢 Move 🕞 Enter 🛄 Return тν PIP Source On Swap : Size 0 Position Prog. : P08 1 m тν PIP PIP TV AV1 AV2 Swap AV3 Size AV4 \odot Position Prog. 1 20 🗢 Move 🖙 Enter 🎹 Return τν PIP : On PIP 1 Source : TV Swap Size : \odot Position Prog. Sound Select : P08 1 20 🗢 Move 🖙 Enter 🖽 Return тν PIP PIP : On Source Swap 0 Position -Prog. 1 m 🔷 Move 🕞 Enter 🖽 Return

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Viewing the Picture In Picture (PIP) (continued)

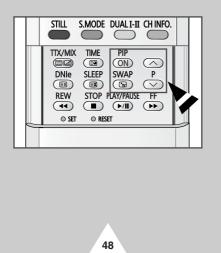


PC or DVI Mode

TV		PIP	
-	PIP	: On	►
	Source Swap	: TV	►
	Size Position	:	
	Prog.	: P08	
	Sound Select	: Main	
9 <i>11/</i>	🗢 Move	🕑 Enter	III Return



τv		PIP
	PIP Source Swap Size Position Prog. Sound Select	: On : TV : • • • • • • • •
Ð	🔷 Move	☞ Enter ⊞ Return



- 9 Press the ▼ or ▲ button to select **Position**. Press the **ENTER** (→) button.
 - Result:The positions available are displayed. $\blacksquare \blacksquare \blacksquare \blacksquare$
- 10 Press the ▼ or ▲ button to select Prog.. Select the channel that you want to view through sub picture by pressing the ENTER (⊡) button.
 - If the sub picture is no signal and the main picture is output from a Component, PC or DVI signal, the sub picture will be blue. If the main picture is output from a Video signal, the sub picture will be black.

Easy functions of remote control.

Buttons	Feature	
PIP ON	Used to activate or deactivate the PIP function directly.	
SWAP	Used to interchange the main picture and the sub picture.	
	When the main picture is in the Video mode and the sub picture is in the TV mode, you might not hear the sound of main picture when pressing the SWAP (S) button after changing the sub picture channel. At this time, reselect the channel of main picture.	
P∧/∨	Used to select the channel of sub picture.	

Listening to the Sound of the Sub Picture (PC or DVI Mode)

> Preset to the PC or DVI mode by using the SOURCE button.

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 Picture .
	<u>Result</u> :	The options available in the Picture group are displayed.
3	Press the button.	▼ or ▲ button to select PIP . Press the ENTER (↔)
	Result:	The options available in the $\ensuremath{\mathtt{PIP}}$ group are displayed.
4	To activate	e, set the PIP to on by pressing the \blacksquare or \blacktriangle button.
5	Press the	ENTER (단) button.

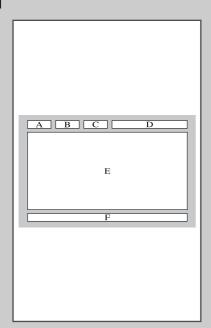
- 6 Press the ▼ or ▲ button to select **Sound Select**. Press the **ENTER** (→) button.
- 7 Set to sub by pressing the ▼ or ▲ button.
 <u>Result</u>: You can listen to the sound of the sub picture.
 - > To listen the sound of current main picture, set to Main.



тν		PIP
** *	PIP	: On
	Source Swap	: TV
0	Size Position	: 🗖
2	Prog. Sound Select	: P08 : Main
m	🗢 Move	Sub
	- MOVE	

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Teletext Feature



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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 indications.
D	Date and time.
Е	Text.
F	Status information. FASTEXT information.

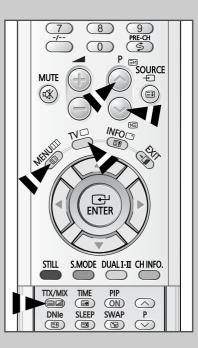
Teletext information is often divided between several pages displayed in sequence, which can be accessed by:

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

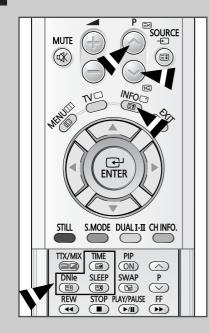
Displaying the Teletext Information

You can display Teletext information at any time on your television

- For Teletext information to be displayed correctly, channel reception must be stable; otherwise:
 - Information may be missing
 - Some pages may not be displayed
- 1 Select the channel providing the Teletext service by pressing the $P \odot$ or $P \odot$ button.
- 2 Press the TTX/MIX (III) button to activate the teletext mode. <u>Result</u>: The contents page is displayed. It can be redisplayed at any time by pressing the II (index) button.
- 3 Press the TTX/MIX (I C D button again. <u>Result</u>: The screen will be split into two. This Double Teletext feature lets you view the actual broadcast and teletext information separately on the screen.
- 4 If you wish to display the teletext information on a single screen, press the **TTX/MIX** (**C**) button again.
- 5 To exit from the teletext display, press the **TV** () button.



Selecting Display Options



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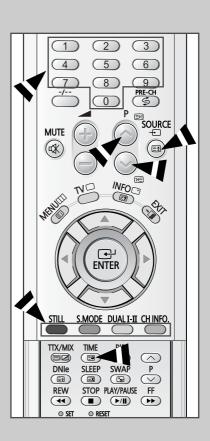
When you have displayed a Teletext page, you can select various options to suit your requirements.

To display	Press the
 Hidden text (answers to quiz games, for example) 	(reveal)
• The normal screen	(reveal) again
• A secondary page by entering its number	(sub-page)
• The broadcast when searching for a page	EX (cancel)
The next pageThe previous page	[편] (page up) [년] (page down)
 Double-size letters in the: Upper half of the screen Lower half of the screen 	(size)OnceTwice
The normal screen	Three times

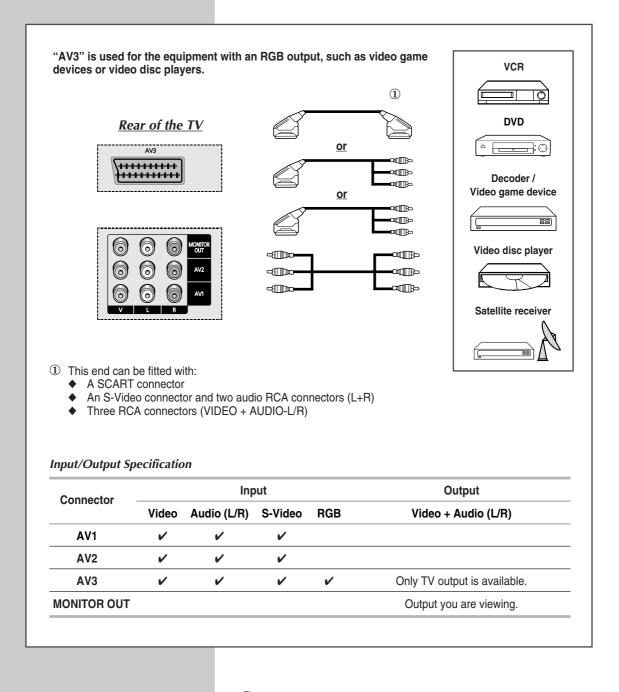
Selecting a Teletext Page

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

- 1 Enter the three-digit page number given in the content by pressing the corresponding numeric buttons.
 - Result: The current page counter is incremented and the page is then displayed. If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the E€ (hold) button. Press the it again to resume.
- If the FASTEXT system is used by the broadcasting company, the different topics covered on a Teletext page are colour-coded and can be selected by pressing the coloured buttons on the remote control. Press the coloured button corresponding to the topic that you wish to select; the available topics are given on the status line.
 - <u>Result</u>: The page is displayed with other coloured information that can be selected in the same way.
- **3** To display the previous or next page, press the corresponding coloured button.
- 4 To display the subpage, see the following steps.
 - Press the I (sub-page) button.
 <u>Result</u>: The available subpages appear.
 - Select the required sub-page. Sub-pages can be scrolled by pressing the fee or button.



Connecting to the External Input/Output



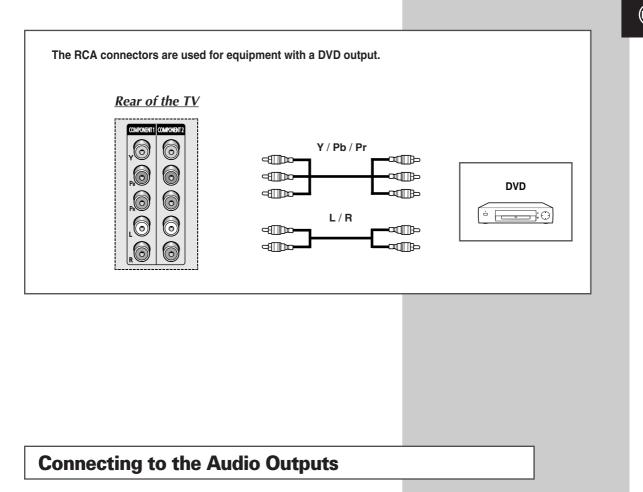
Whenever you connect an audio or video system to your television, ensure that <u>all</u> elements are switched <u>off</u>.

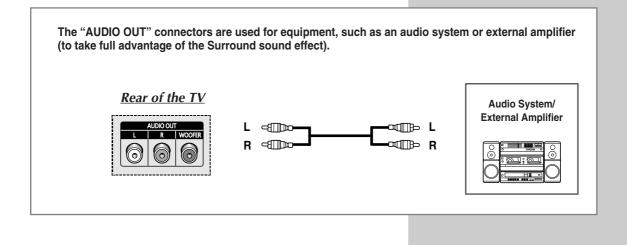
Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

ENG

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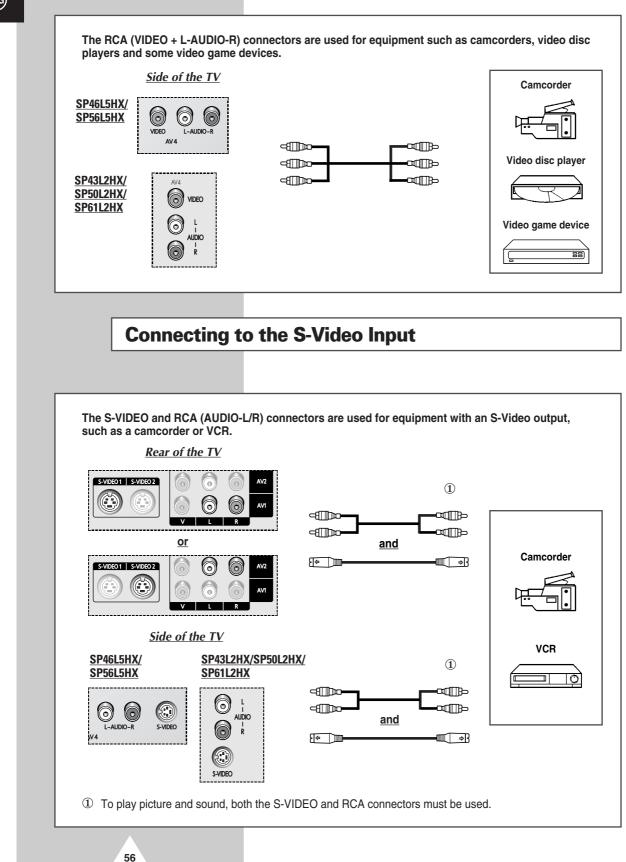
Connecting to the DVD Input



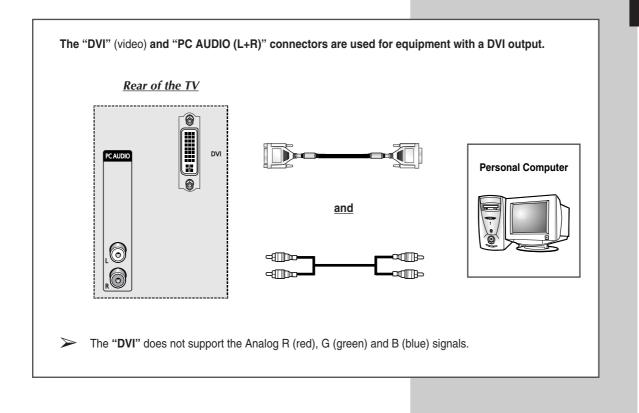


55

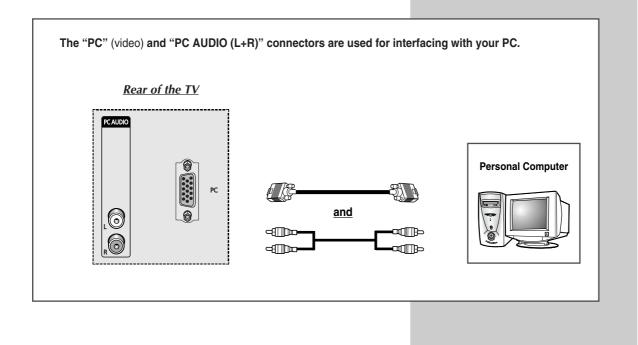
Connecting to the Audio/Video Input



Connecting to the DVI Input



Connecting to the PC Input



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Setting up Your PC Software (Windows only)

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

	A	Microsoft*			
Calc.exe	Adobe Type Manager	Window	s 98		
Explorer.exe					
Programs +	My Documents				
Fgvorites	Q				
Documents •	Explorer	_			
MBS Settings	St Control Panel	- <mark>\</mark>			
	Taskbar & Start Menu Differ Options				
	Active Desktop	•			
865% Log Off Mcad	🖏 Windows Update				
Log Off Mcad					
Shut Down					
		¥			
िद्ध	Ð	ě.	***		Ş
्रि Control	32bi ODBC		Add New Hardware	Add/Remove Programs	Adobe Gamm
्रित्र Control Panel	32ki ODBC	Accessibility			Adobe Gamm
Control Panel	32bit ODBC	Accessibility Options			es. Game
Control Panel Use the settings in Control Panel to personalize your	B	Accessibility Options	Hardware	Programs	es. Game
Control Panel Use the settings in Control Panel to personalize your computer.	Date/Time	Accessibility Options Display	Hardware	Programs	Game Controllers
Control Panel Use the settings in Control Panel to personalize your	Date/Time	Accessibility Options Display	Hardware	Programs	Game Controllers
Control Panel Use the settings in Control Panel to personalize your computer. Select an item to view i description.	Le Line Date/Time HP JevAdmi	Accessibility Options Display Internet	Hardware Find Fast Keyboard	Programs Fonts LiveUpdate	Game Controllers Mail and Far
Control Panel Use the settings in Control Panel to personalize your computer. Select an item to view i description.	Date/Time	Accessibility Options Display	Hardware	Programs	Game Controllers
Control Panel Use the settings in Control Panel to personalize your computer. Select an item to view i description.	Le Line Date/Time HP JevAdmi	Accessibility Options Display Internet	Hardware Find Fast Keyboard	Programs Fonts LiveUpdate	Game Controllers Mail and Far
Control Panel Use the settings in Control Panel to personalize your computer. Select an item to view i description.	Le Line Date/Time HP JevAdmi	Accessibility Options Display Internet	Hardware Find Fast Keyboard	Programs Fonts LiveUpdate	Game Controllers Mail and Far

Background Screen Saver Appearance Effects Web Settings

(Unknown Monitor) on ATI Graphics Pro Turbo PCI (atim64 - CT)

OK

Extend my Windows desktop onto this monitor

Display

Colors

True Color (24 bit)

58

1 5 3

Scre

Less

More

-1

Advanced.

1024 by 768 pixels

Cancel

On the windows screen, select in the following sequence: Start \rightarrow Settings \rightarrow Control Panel.

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

Select the Settings tab in the display dialog-box.

The two key variables that apply the television-PC interface are "Resolution" and "Colours". The correct settings for these two variables are:

- Size (sometimes called "Resolution") 1024 x 768 pixels.
- Colour
 24-bit colour (might also be expressed as "16 million colours")
 Shown at left is a typical screen for "Display" dialog box.

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

Input Mode (PC/DVI)

Standard	Dot x Line	Vertical frequency (Hz)	Horizontal frequency (kHz)	Vertical polarity	Horizontal polarity
VGA	640 x 480	75.0	37.5	Ν	N
		72.8	37.9	Ν	Ν
		59.9	31.5	Ν	Ν
	720 x 400	70.1	31.5	Р	Ν
SVGA	800 x 600	75.0	46.9	Р	Р
		72.2	48.1	Р	Р
		60.3	37.9	Р	Р
		56.3	35.2	Р	Р
XGA	1024 x 768	75.0	60.0	Р	Р
		70.1	56.5	Ν	Ν
		60.0	48.3	Ν	Ν
WVGA	848 x 480	75	37.5	Ν	Р
		72	36.1	Ν	Р
		70	35.0	Ν	Р
		60	29.8	Ν	Р

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:

(N: Negative / P: Positive)

- The interlace mode is not supported.
- The television might operate abnormally if a non-standard video format is selected.
- The 4:3 mode does not work with input signals from "720 x 400".
- The DVI mode does not support "1024 x 768" (85Hz).

Notes

- The text quality of PC screen is optimum in the XGA mode (1024 x 768), the full size displayed PC mode is optimum in the SVGA mode (800 x 600).
- When this television is used as a PC display, 24-bit colour is supported (over 16 million colours).
- Your PC display screen might appear different depending on the manufacturer (and your particular version of Windows). Check your PC instruction book for information about connecting your PC to a television.
- When connecting a notebook PC to the television, make sure that the PC screen is displayed through only the television (Otherwise, random signals might appear).
- When horizontal synchronous signals seem irregular in PC mode, check PC power saving mode or cable connections.

Pin Configurations

SCART Co (AV1/AV2		DVI Input (24Pin)	t Connector
Pin	Signal	Pin	Signal
1	Audio output R	1	T.M.D.S. Data2-
2	Audio input R	2	T.M.D.S. Data2+
3	Audio output L	3	T.M.D.S. Data2/4 Shield
4	Audio chassis return	4	T.M.D.S. Data4-
5	Video chassis return (RGB blue)	5	T.M.D.S. Data4+
6	Audio input L	6	Clock (DDC)
7	RGB blue input	7	Data (DDC)
8	Switching voltage	8	Not Connected
9	Video chassis return (RGB green)	9	T.M.D.S. Data1-
10	-	10	T.M.D.S. Data1+
11	RGB green input	11	T.M.D.S. Data1/3 Shield
12	-	12	T.M.D.S. Data3-
13	Video chassis return (RGB red)	13	T.M.D.S. Data3+
14	-	14	+5V Power
15	RGB red input	15	5V Grounding
16	Blanking signal (RGB switching)	16	Hot Plug Detect
17	Video chassis return	17	T.M.D.S. Data0-
18	Blanking signal ground	18	T.M.D.S. Data0+
19	Video output	19	T.M.D.S. Data0/5 Shield
20	Video input	20	T.M.D.S. Data5-
21	Screening/chassis return	21	T.M.D.S. Data5+
		22	T.M.D.S. Clock Shield
	5, 7, 9, 11, 13, 15 and 16 are used for	23	T.M.D.S. Clock+
	B processing and are only wired on the AV1	24	T.M.D.S. Clock-

Pin	PC IN	
1	Red (R)	
2	Green (G)	
3	Blue (B)	
4	Grounding	
5	Grounding (DDC)	
6	Red (R) Grounding	
7	Green (G) Grounding	
8	Blue (B) Grounding	
9	Reserved	
10	Sync Grounding	
11	Grounding	
12	Data (DDC)	
13	Horizontal sync.	
14	Vertical sync.	
15	Clock (DDC)	

60

S-232 C 9Pin)	connector
Pin	Signal
1	Carrier Detect
2	Receive Data
3	Transmit Data
4	Data Terminal Ready
5	System Ground
6	Data Set Ready
7	Request to Send
8	Clear to Send
9	Ring Indicator

Programming the Remote Control for Other Components

This TV's remote control can operate VCR, CATV, DVD, or Set-top box (STB), in addition to controlling the TV.



The remote control might not be compatible with the TV manufactured by another company.

- 1 Turn off your VCR, Cable box, DVD or STB.
- 2 Press the **SELECT** button. Mode is changed whenever **SELECT** button is pressed. (new mode is displayed on LED screen.)
- 3 Press the SET button.
- 4 Use the numeric buttons to enter the code by manufacturer. Each code must be three digits long.

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

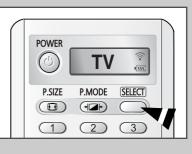
- See the remote control code tables to find the appropriate code for your particular component. If more than one code is listed, try each one separately until you find the one that works.
- 5 Press the POWER (③) button on the remote control. The component you select should turn on. If it turns on, your remote control is now set correctly.

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

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

When your remote control is in the VCR, CATV, DVD or STB mode, the volume buttons still control your television's volume.

 When your remote control is in the TV or CATV mode, the VCR or DVD control buttons (PLAY, PAUSE, etc.) still operate your VCR or DVD.





Programming the Remote Control for Other Components

Admiral	020	Marantz	007, 008, 018, 021, 026, 036, 037, 062
Aiwa	025	Marta	006
Akai	004, 027, 032	MEI	021
Audio Dynamics	007, 026	Memorex	006, 021, 024, 025
Bell&Howell	018	MGA	034
Broksonic	022	Midland	005
Candle	002, 003, 006, 008, 015, 055	Minolta	019, 041
Canon	021, 056	Mitsubishi	019, 034, 041, 046
Citizen	002, 003, 006, 008, 015, 055	Montgomery Ward	020
Colortyme	007	MTC	002, 025
Craig	002, 024	Multitech	002, 005, 025, 038
Curtis Mathes	002, 007, 008, 017, 021, 025, 056, 064,	NEC	007, 008, 018, 026, 037, 062, 064
	066	Optimus	020
Daewoo	003, 010, 011, 012, 013, 014, 015, 016	Panasonic	021, 056, 071, 072
DBX	007, 026	Pentax	019, 041
Dimensia	017	Pentex Research	008
Dynatech	034	Philco	021, 036, 056, 059
Emerson	001, 003, 006, 021, 022, 025, 030, 032,	Philips	021, 036
	034, 040, 047, 050, 052, 060, 063, 065,	Pioneer	019, 026, 039, 053
	066, 067, 069	Portland	015, 049, 055
Fisher	018, 024, 028, 029, 048, 051, 061	PROSCAN	017
Funai	025	Quartz	018
General Electric	002, 005, 017, 021, 056	Quasar	021, 056
Go Video	002	Radio Shack/Realistic	006, 018, 020, 021, 024, 025, 029,
LG (Goldstar)	006, 007, 008, 009, 010		034, 048, 056
Harman Kardon	007	RCA	002, 017, 019, 021, 035, 041, 043,
Hitachi	019, 025, 041, 042		057, 068
Instant Replay	021	Samsung	000, 001, 002, 003, 004, 005
JC Penney	002, 007, 018, 019, 021, 026, 037, 041,	Sansui	026
	054, 056	Sanyo	018, 024
JVC	007, 008, 018, 021, 026, 037	Scott	003, 047, 052, 067
Kenwood	007, 008, 018, 026, 037	Sears	006, 018, 019, 024, 028, 029, 041,
KLH	070		048, 051
Lioyd	025	Sharp	020, 034, 045, 015
Logik	038	Shimom	027, 033, 038, 058
LXI	025	Signature	025
Magnavox	021, 036, 056, 059	Sony	027, 033, 044

VCR Remote Control Codes

Programming the Remote Control for Other Components

002,006 Sylvania 021, 025, 036, 056, 059 Totevision Symphonic 025 Unitech 002 Tandy 018, 025 Vector Research 007, 026 Tashika 006 Victor 026 Video Concepts Tatung 037 007, 026 Teac 025, 037, 068 Videosonic 002 Technics 021 Wards 002, 003, 006, 019, 020, 021, 024, 025, Teknika 006, 021, 025, 031 034, 038, 041 TMK 066 Yamaha 007, 008, 018, 026, 037 003, 019, 029, 051, 052 Zenith 023, 027, 033, 073 Toshiba

VCR Remote Control Codes (continued)

Cable Box (CATV) Remote Control Codes

Anvision	017, 018	Regency	015, 023
GI	041	SA	042, 043
Hamlin	003, 024, 031	Samsung	000, 001, 002, 003, 004, 005, 006, 007
Hitachi	025, 030	Scientific Atlanta	042, 043
Jerrold	038, 039	Sprucer	022
Macom	025, 030	Stargate 2000	036
Magnavox	019, 023, 028	Sylvania	016
Oak	026	Texscan	016
Panasonic	003, 022, 027, 037, 044	Tocom	032
Philips	019, 021, 023, 028	Universal	033, 034
Pioneer	004, 018, 020, 044	Viewstar	019, 021, 023, 028
RCA	014, 022, 040	Wamer amex	046
Regal	003	Zenith	017, 029, 035, 037, 045

DVD Remote Control Codes

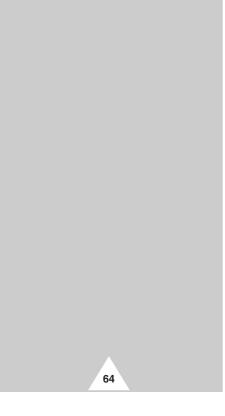
Samsung	000, 001	LG (Goldstar)	006
JVC	002	Sony	007
PROSCAN/RCA	003	Denon	008
Panasonic	005	Curtis Mathes	009

Troubleshooting: Before Contacting Service Personnel

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

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

No sound or picture	 Check that the mains lead has been connected to a wall socket. Check that you have pressed the "I" button (On/Off) and the POWER ((()) button. Check the picture contrast and brightness settings. Check the volume. 		
Normal picture but no sound	 Check the volume. Check whether the volume MUTE (☆) button on the remote control has been pressed. 		
No picture or black and white picture	 Adjust the colour settings. Check that the broadcast system selected is correct. 		
Sound and picture interference	 Try to identify the electrical appliance that is affecting the television, then move it further away. Plug your television into a different mains socket. 		
Blurred or snowy picture, distorted sound	 Check the direction, location and connections of your aerial. This interference often occurs due to the use of an indoor aerial. 		
Remote control malfunctions	 Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals. 		



Technical Specifications

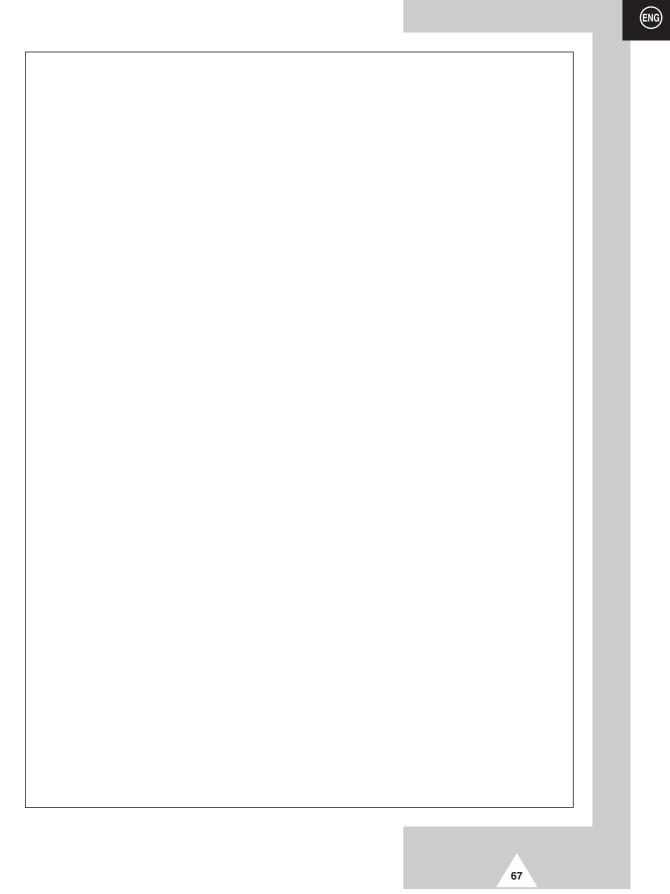
The descriptions and characteristics in this booklet are given for information purposes only and are subject to modification without notice.

Model na	me	SP43L2HX SP50L2HX SP61L2HX SP46L5HX SP56L5					
Tube type	pe 16:9 16:9 16:9 16:9					16:9	
Screen size 43 inch (953/535.5 mm) 50 inch (1107/623 mm) 61 inch (1351/760 mm) 46 inch (1018/573 mm) 12						56 inch (1240/697 mm)	
Color systems PAL, SEC			AM, NTSC4.43, NTSC3.58				
TV standa	ards	BG, DK, I, M					
Sound A2 Stereo, NICAM Stereo, Dolby Prologic							
Audio output power		15 W x 4					
Sockets	Rear	External input/outputs (RCA (AV1 / AV2), Scart (AV3),MONITOR OUT) Surround speaker outputs (+-R /L-+) Audio outputs (L / R / WOOFER) S-Video inputs (S-VIDEO 1 / S-VIDEO 2) Component inputs (Component1, Component2 (Y / PB / PR / L / R)) PC audio inputs (PC AUDIO - L / R) PC video input (PC - 15Pin) DVI video input (DVI - 24Pin) RS-232 input (RS-232 - 9Pin)				·	
	Side	Video/Audio inputs (VIDEO + L-AUDIO-R) S-Video Input (S-VIDEO)					
Demensions (H x W x D mm)		1029 x 755 x 399	1184 x 859 x 444	1436 x 1021 x 489	1030 x 760 x 410	1268 x 924 x 461	
Weight		27.6 kg	32.7 kg	44.5 kg	33.5 kg	41.5 kg	
Acessories		Remote control, 2 Batteries (AAA), RCA cable, Owner's manual, Warranty card, Service network list					



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- AFTER SALES SERVICE

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



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