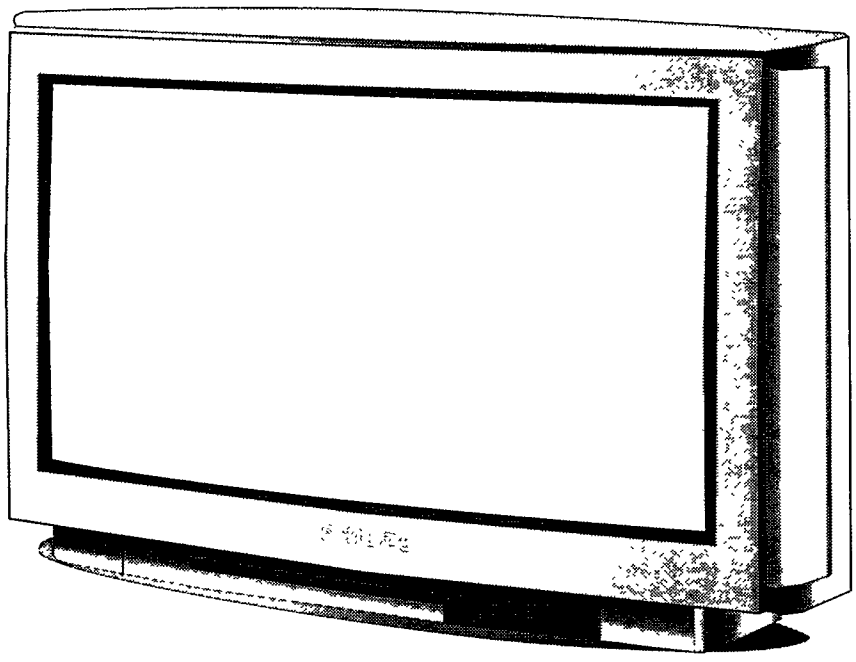
Operating Instructions



32PW978A
32PW978B

PHILIPS

English Español Português

3139 125 24391

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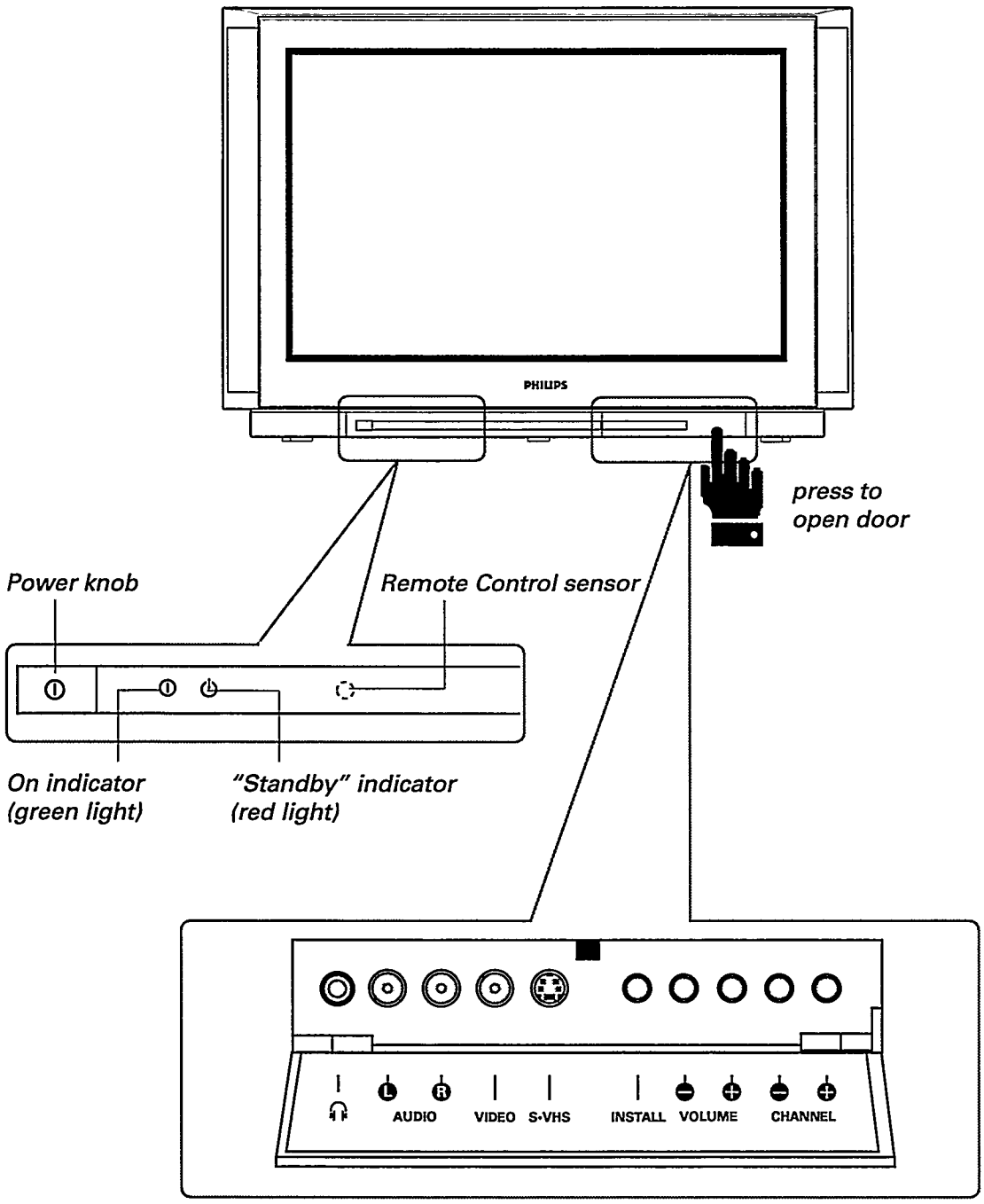
English

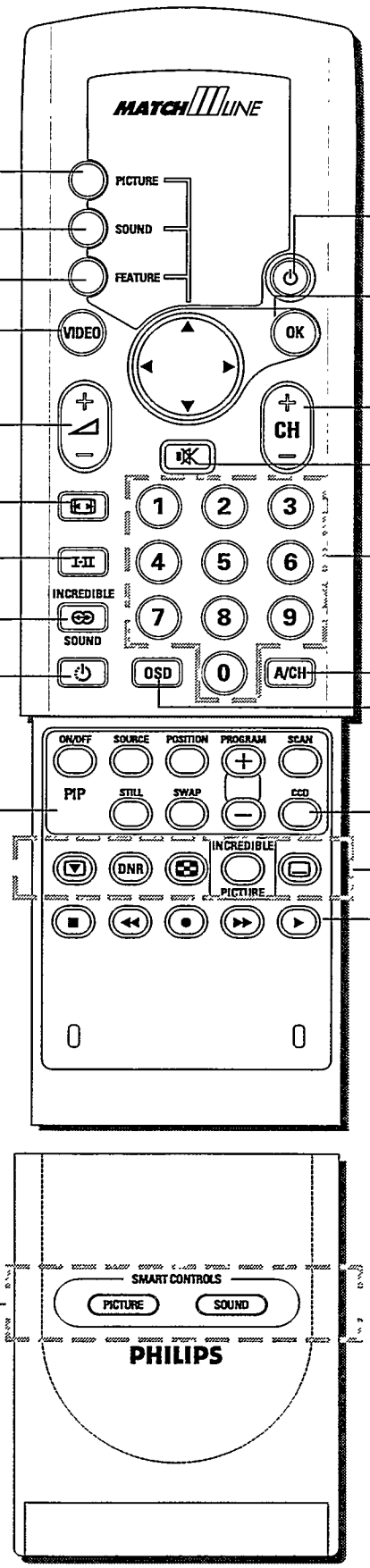
General Information

Television controls



English

Your remote control



Adjust picture

Adjust sound

Select features

Ext. connections' channels

Increase/decrease volume

Select picture mode

Select sound mode

Select 'Incredible sound' or 'Spatial sound'

Select 'Sleeptimer' time

Picture In Picture :

ON/OFF switch on/off

SOURCE select source

POSITION move screens

PROGRAM +/- select channel number of PIP screen

SWAP switch screen

STILL freeze screen

SCAN run through all the channels available for PIP

SMART Controls :

PICTURE picture settings

SOUND sound settings

Switch off temporarily

OK confirm your choice

◀ ▶ ▲ ▼ select your choice.

Select a higher or lower channel number

Switch off sound temporarily

Select channel number directly

Interchange current and last viewed channel number

Display information

Switch on/off Closed Caption

freeze picture

DNR reduce picture interference

prog. preview

INCREDIBLE PICTURE optimise picture

subtitle shift

VCR functions :

■ stop tape

◀◀ rewind tape

● record onto tape

▶▶ forward tape

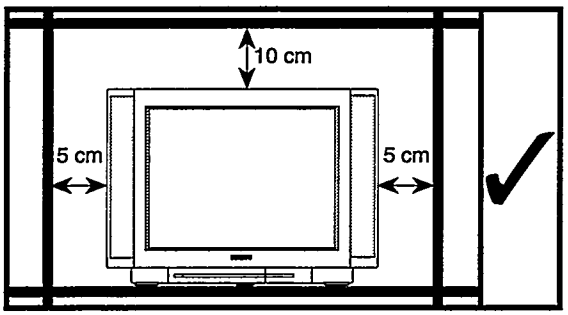
▶ play tape

Before Calling For Service

Please make these simple checks before calling for service. These tips can save you time and money since charges for TV installation and adjustments of customer controls are not covered under your warranty.

Symptoms	Items to Check and Actions to follow
Colour patch (unevenness)	• Switch off the TV with the mains power button and wait for 20 minutes before switching on again.
'Ghosts' or double images or Teletext garbled	• This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture.
No Power	• Check that the TV set's AC power cord is plugged into mains socket. • Unplug the TV, wait for 60 seconds. Then re-insert plug into the mains socket and switch on the TV again.
No picture	• Check antenna connections at the rear of the TV to see if they are properly connected to the TV input terminal. • Possible TV station trouble. Try another channel. • Adjust the contrast and brightness settings
Good picture but no sound	• Increase the VOLUME. • To check that the TV is not muted, press the 🔇 button on the remote control. • When no TV signal is detected, the TV automatically mutes the sound. This is a proper set operation and does not indicate a malfunction.
Good sound but poor or abnormal colour or no picture	• Adjust the contrast and brightness setting.
Snowish picture and noise	• Check the antenna connection.
Horizontal dotted lines	• This may be caused by electrical interference (e.g. hairdryer, nearby neon lights, etc.). • Switch off the equipment.
One white line across the screen	• Switch off the TV immediately and consult the service personnel.
TV not responding to remote control	• Check batteries and replace them if necessary. • Clean the remote control sensor lens on the TV. • Operating range between TV and remote control should not be more than 6 metres.

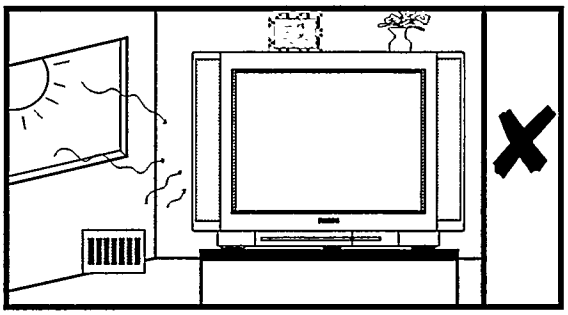
What you should know

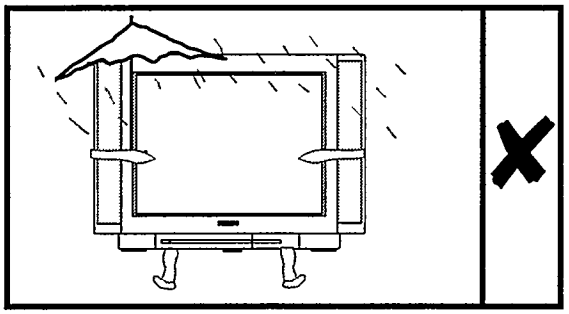


- Place your television on a solid base.
- Leave at least a free space of 5 cm on both sides and 10 cm from the top for good ventilation of your television.

English

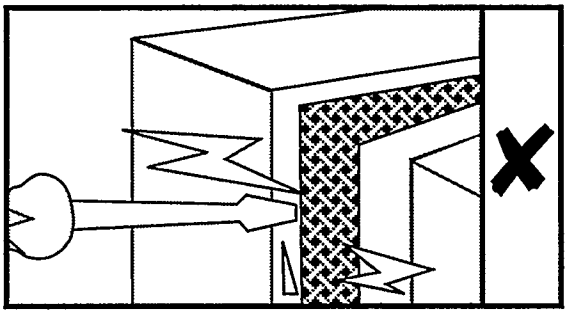
- Do not place your television near a radiator or other sources of heat.
- Do not place any objects above your television or cover the ventilation slots.
- Do not place your television in a position where light falls directly onto the screen.

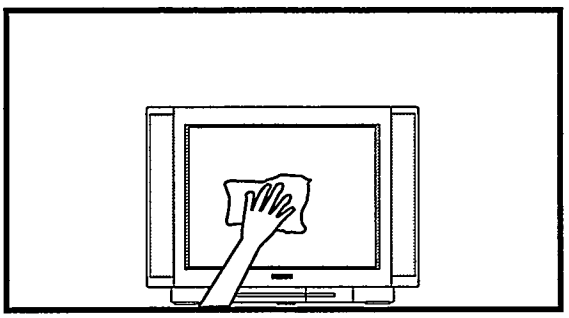




- Do not expose your television to rain or excessive moisture.

- Never attempt to repair your television. Always consult skilled television service personnel.





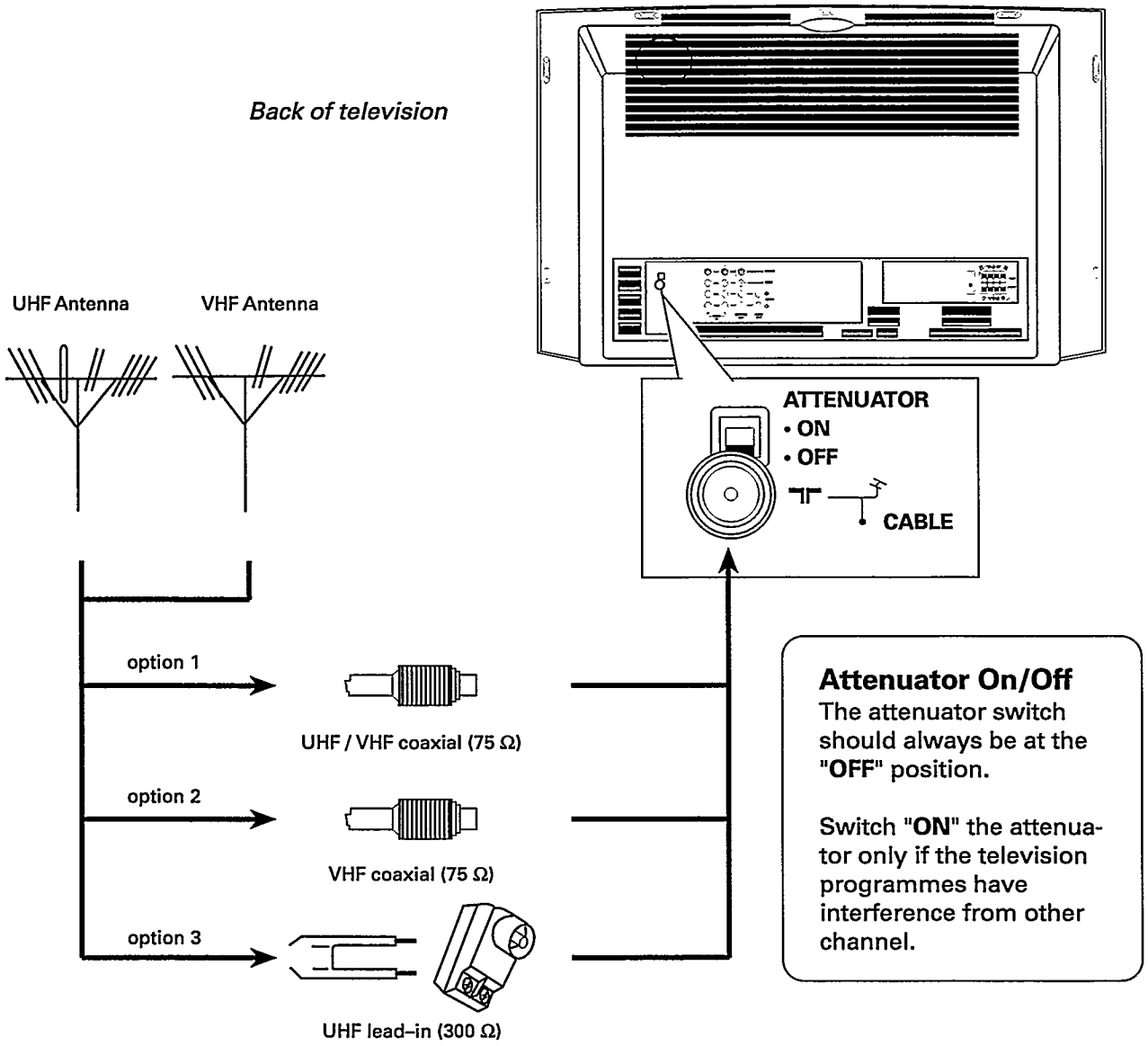
- Before you start cleaning, switch off the television.
- Clean your television screen with a piece of SOFT, DRY cloth only when necessary.

Note : DO NOT use hard cloth or detergent cleaners as it will damage the screen's coating.

Preparation

Connect your antenna

We recommend that you use a good outdoor antenna for best reception of broadcast VHF/UHF channels. You may need to use one of the adaptors/mixers (not supplied). Consult your local dealer if you have any queries or need any assistance on connection.

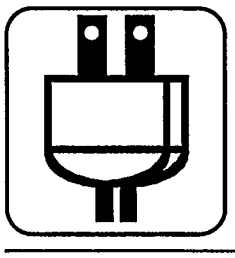


Attenuator On/Off
The attenuator switch should always be at the "**OFF**" position.

Switch "**ON**" the attenuator only if the television programmes have interference from other channel.

Connect to power

Refer to the specification page for the correct operating voltage. Consult your local dealer if your mains supply is different.

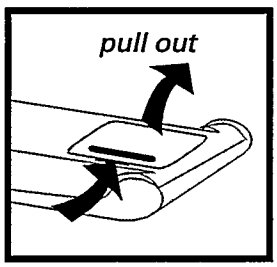


- Connect your television to the mains supply socket and switch on.

English

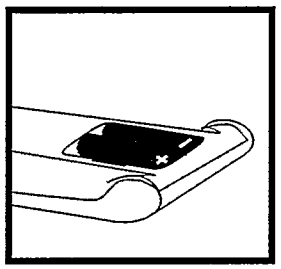
Preparing your remote control

1



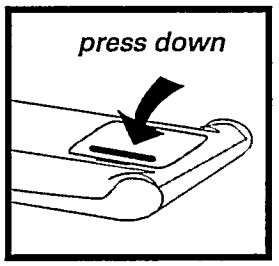
Remove the battery cover at the back of your remote control.

2



Insert two batteries (Type AAA, 1.5 V) into the compartment.

3

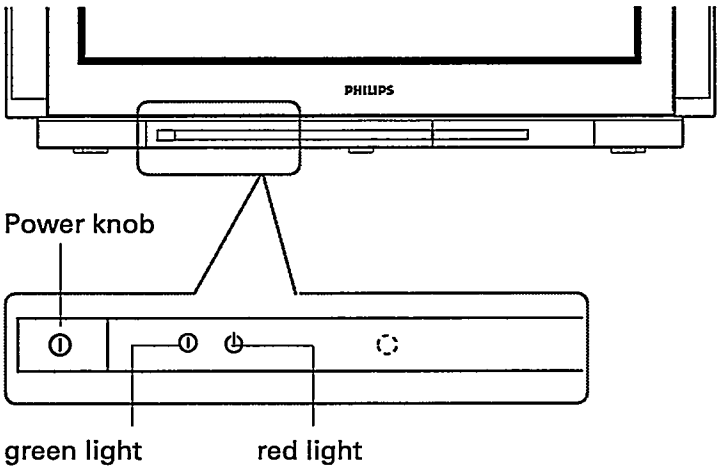


Replace the cover.

Note :
- Remove the batteries from the remote control if you do not use it for an extended period. This is to prevent possible damage due to battery leakage.
- Make sure that there is no obstruction between the remote control and the television.
- Do not use old and new batteries together.

Switch on your television

- Press the power knob ⏻ button on the front, bottom left of your television.
  A green or red indicator light appears.



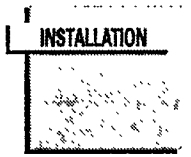
If the indicator light is GREEN, it means:
Your television is switched ON. Wait a few seconds for the screen to light up. If no signal input is detected, you will see a blue screen with the word "PHILIPS".

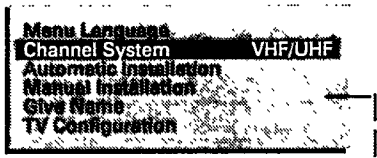
If the indicator light is RED, it means:
Your television is switched on but the screen stays dark. Your television is on 'standby'.
- Press any digit button, **CH** + or — button, **A/CH** button, ⏻ button or **VIDEO** button on your remote control.
  The screen lights up. If no signal input is detected, you will see a blue screen with the word "PHILIPS".

Note : If there is no signal detected after about 10 minutes, your television will switch over to standby.

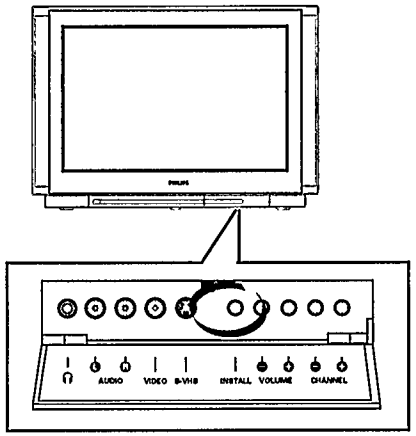
Installation menu and its sub-menus

Select or change menu languages (page 10).

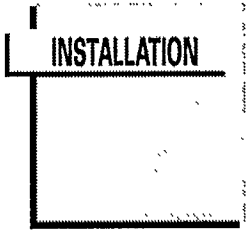




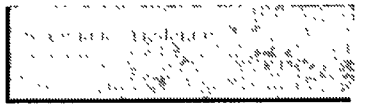
Select cable or terrestrial transmission (page 10).

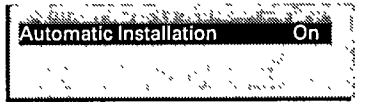


Press **INSTALL** button to go into the **INSTALLATION** menu.

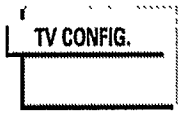


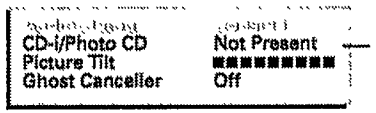
Main menu



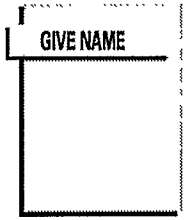


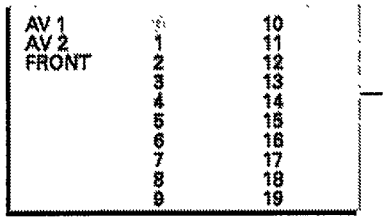
Search and store channels automatically (page 11).



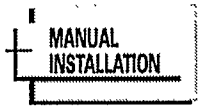


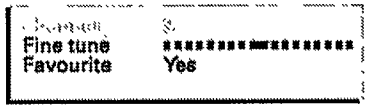
Select your television configuration with external equipment (page 16).





Enter or modify a channel name (page 14).





Fine tune a channel or include/exclude a channel number in the "Favourite" list (page 12).

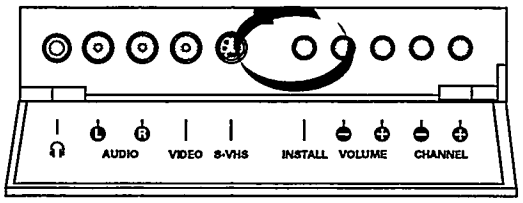
Installation

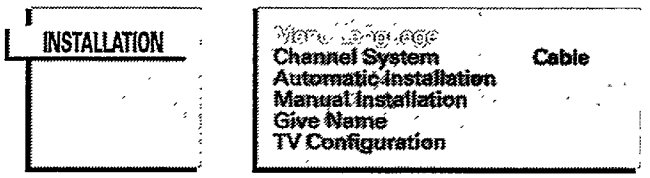
English

Menu Language

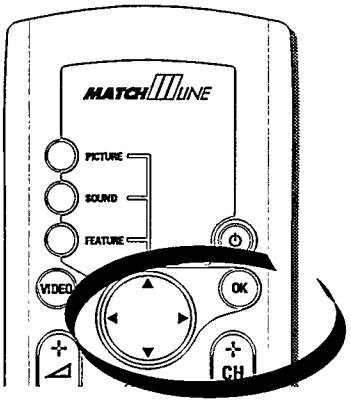
Use this function to select the On-Screen-Display and the Menus language.

- Press **INSTALL** button to go into the **INSTALLATION** menu.
  The sub-menu **Menu Language** is highlighted.





- Press **OK** button to confirm selection.
  The languages available for selection appear.



- Highlight the language of your choice by the ◀ or ▶ button and confirm selection by the **OK** button .
  The **INSTALLATION** menu appears and from now onwards all the On-Screen-Display and Menus are presented in the language of your choice.

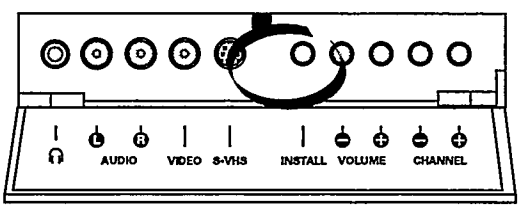
  Note : If you had made the wrong choice, press **OK** button and make your choice again.

- Press **INSTALL** button once to return to **INSTALLATION** menu.

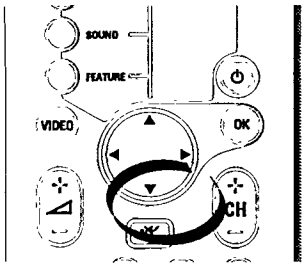
Channel System

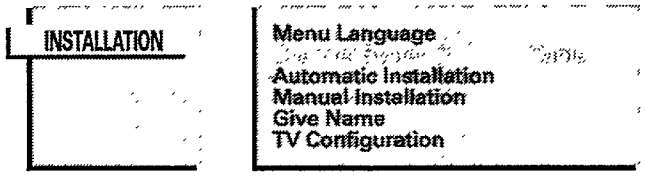
You can select either cable or terrestrial transmission.

- Press **INSTALL** button to go into the **INSTALLATION** menu.

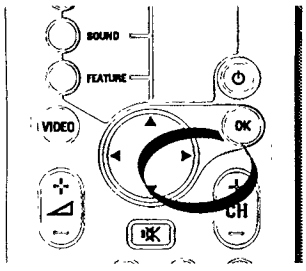


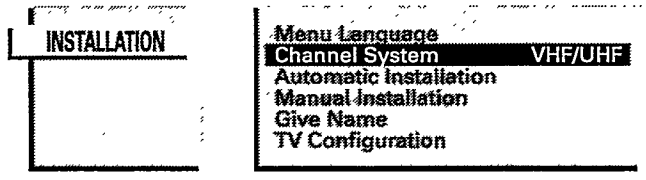
- Press ▼ button to highlight **Channel System** .





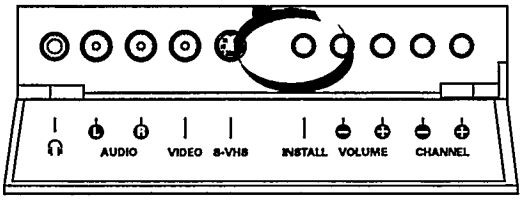
- Press ▶ button to select either **Cable** (for cable transmission) or **VHF/UHF** (for terrestrial transmission).
  From now on all the channels will be in the transmission system that you have selected.

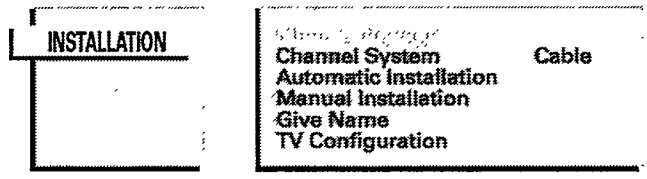




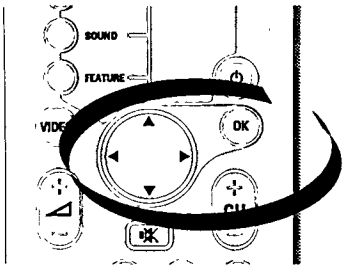
Automatic Installation (Search and store channels automatically)

- Press **INSTALL** button to go into **INSTALLATION** menu.

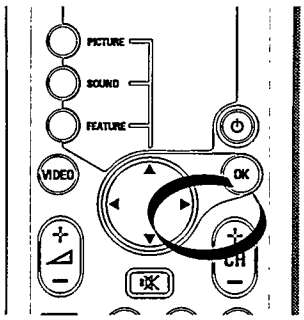


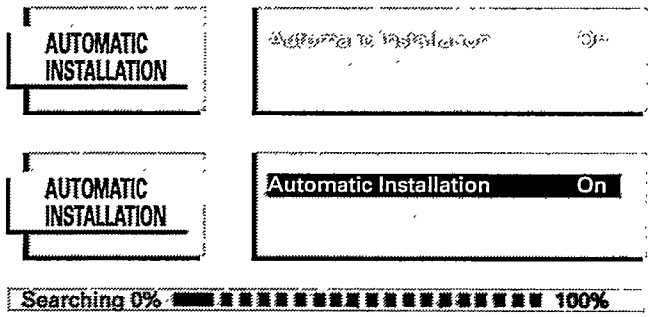


- Press ▼ button to highlight **Automatic Installation** and **OK** button to confirm selection.



- Press ▶ button to start searching for all available channels.
  An indicator will appear at the bottom of the screen showing the status of the search from 0% to 100%.



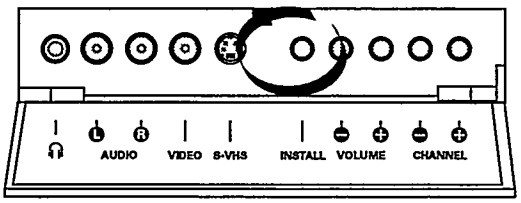


To interrupt, press **INSTALL** button and to go back to **INSTALLATION** menu.
Once completed, a word **Ready** appears. You can also see a list of channels found.
Note : Programme number 0 is not installed and reserved for external connection via antenna input.
Press **INSTALL** button once to return to **INSTALLATION** menu and again to quit.

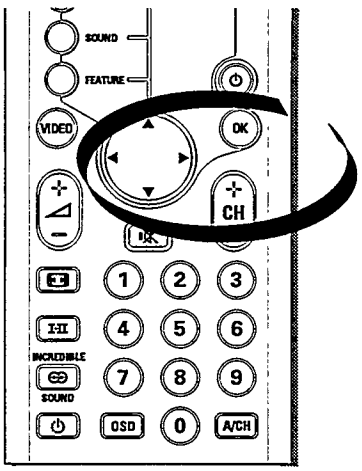
Manual Installation

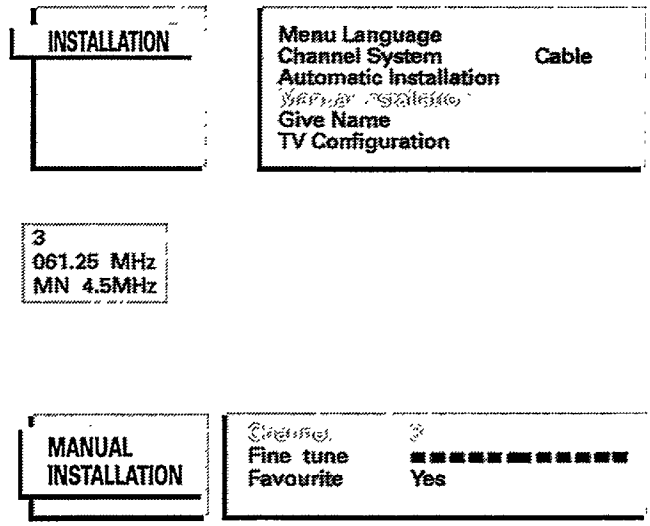
Use to fine tune a particular channel when the reception is poor or to include or exclude a channel in the "Favourite" list.

- Press **INSTALL** button to go into **INSTALLATION** menu.



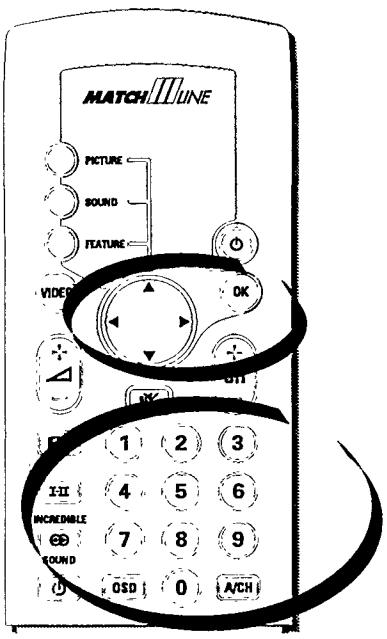
- Press ▼ button to highlight **Manual Installation** and **OK** button to confirm selection.
  The **MANUAL INSTALLATION** menu appears and **Channel** is highlighted.

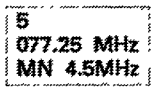




Channel

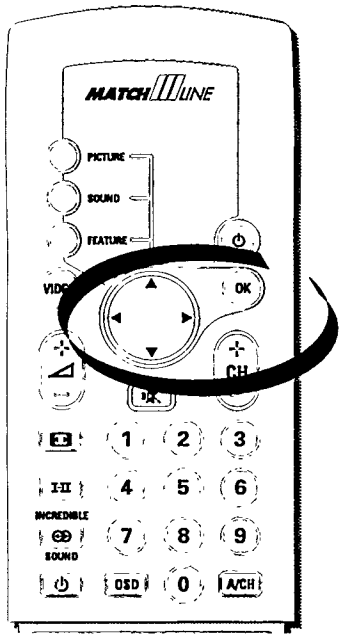
- Press **OK** button to confirm. To enter a channel number you wish to fine tune press either one of the following buttons :
  ① ◄ or ►
  ② digit 0 to 9

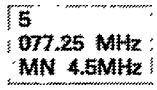


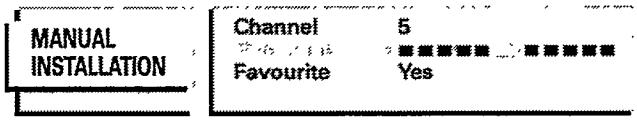


Fine Tune

- Press ▼ button to highlight **Fine Tune** and **OK** button to confirm selection.
- Press ◄ or ► button to adjust until picture is the best.





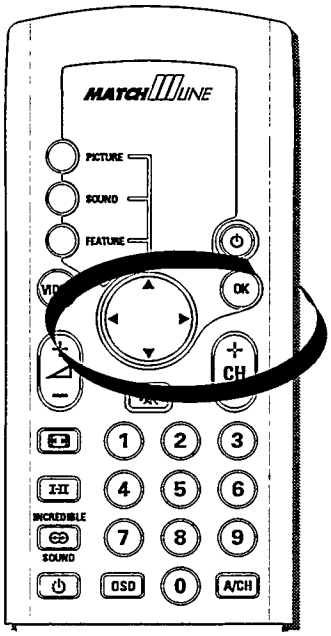


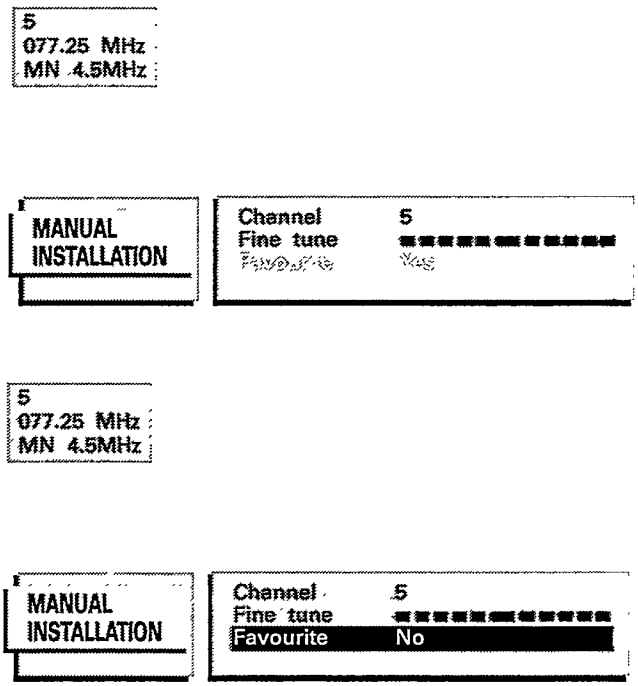
English

Favourite

This feature allows you to put channel numbers into a "favourite" list. Channel numbers which are in this list can be easily access by pressing **CH** + or — . Those that are not in, can only be access by pressing the channel number directly. It is recommended that you do not put those channels that have bad reception or those that you do not watch often in this list.

- Press ▼ button to highlight **Favourite** and **OK** button to confirm selection.
- Press ◄ or ► button to select **Yes** or **No**.

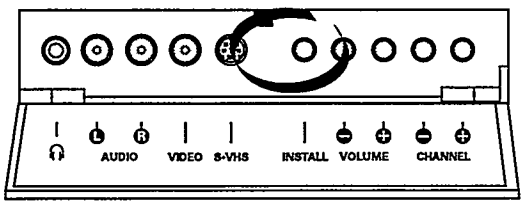




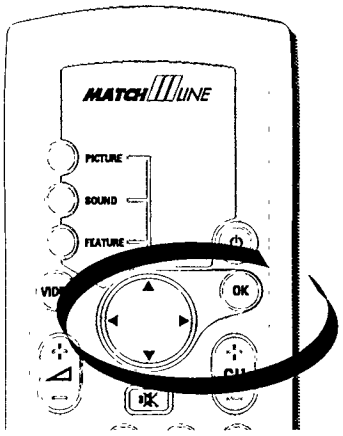
Give Name (Enter or modify a channel name)

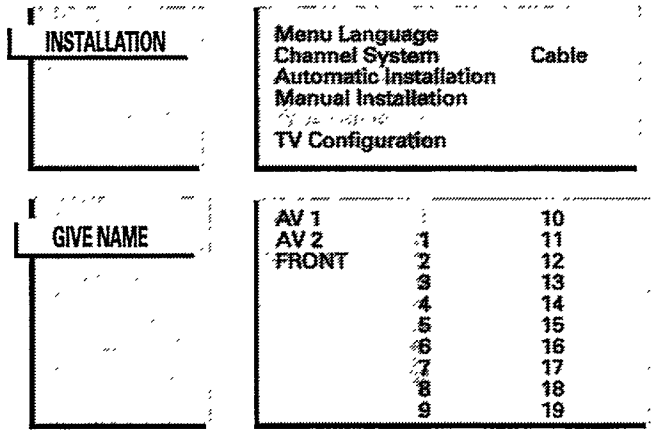
You can enter or modify an existing name of a programme number by the following steps.

- Press **INSTALL** button to go into **INSTALLATION** menu.

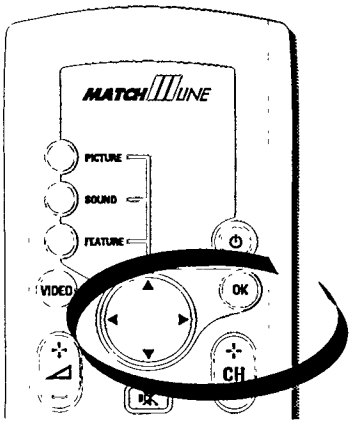


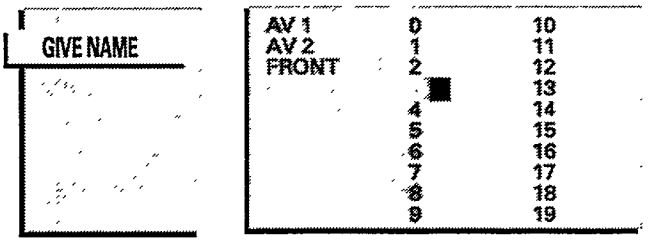
- Press ▼ button to highlight **Give Name** and **OK** button to select it.
  The current channel number and name (if any) is highlighted.





- Highlight the channel number of your choice by pressing ◄, ►, ▲ or ▼ button and select by pressing **OK** button. A block appears on the first position of the name. Refer to the table below for buttons to use to enter or modify the programme name.





Button	Function
OK	Start or end the process
►	Select next character position
◄	Select previous character position
▲	Select the next character or number for the current position
▼	Select the previous character or number for the current position

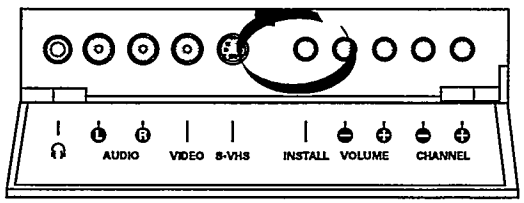
Note : The possible characters for a programme name are "A ... Z, –, *, /, +, ., #, 0 ... 9 and [Space]".

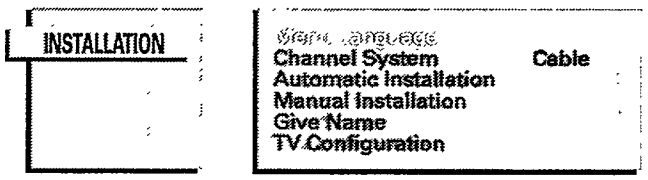
Repeat the same steps for other channel numbers. If you have completed, press **INSTALL** button once to go back to **INSTALLATION** menu and again to quit.

English

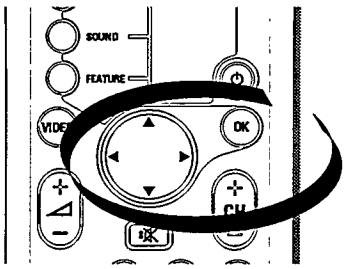
TV Configuration (Select your television configuration with external equipment)

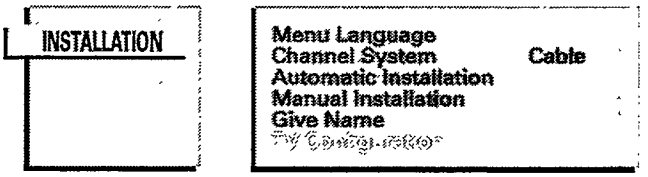
- Press **INSTALL** button to go into **INSTALLATION** menu.





- Press ▼ button to highlight **TV Configuration** and **OK** button to select it. The **TV CONFIG.** menu appears and **Audio Output** is highlighted.

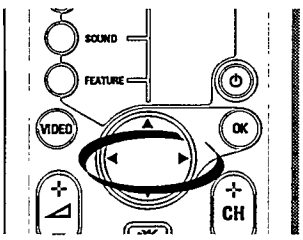




Audio Output

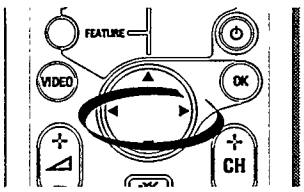
If you have connected the audio out sockets of your television to an external amplifier, you can make a constant or variable audio output selection.

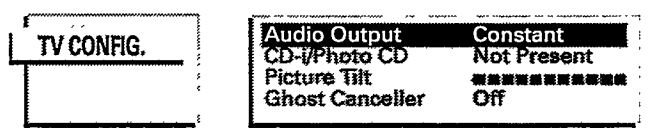
- Select **Variable** with ◄ or ► button if you want to adjust the volume of your audio equipment via your television.



OR

- Select **Constant** with ◄ or ► button if you want to adjust the volume with the volume control of your audio equipment.

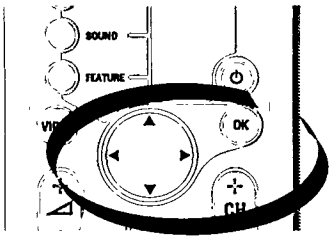


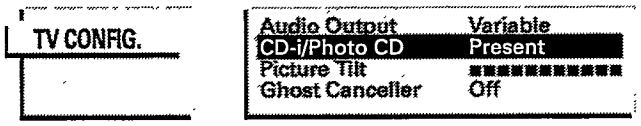


CD-I/Photo CD

This feature is to optimise the picture for CD-I (Compact Disc Interactive) or Photo CD (Photo Compact Disc) that you may have connected(connect these equipments to **Video In 2** at the back of the television). To get the best effect, set your picture mode to either 4:3 or Wide Screen.
Note : 'Continuous Zoom' feature is disabled.

- Press the ▼ button to highlight **CD-I/Photo CD.**
- Press ◄ or ► button to select **Present.**
  This will give you optimum picture quality for your CD-I or Photo CD.





Picture Tilt

When you switch on your television, there may be a slight tilt of the picture to the left (Fig.1) or right (Fig. 2). This is due to the earth's magnetic field or position of your television. To rectify, you can do the following.

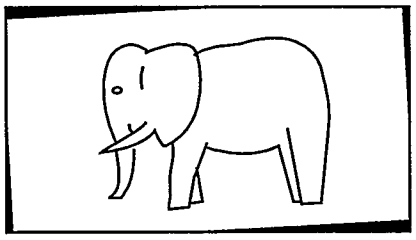


Fig.1 Picture tilted to the left

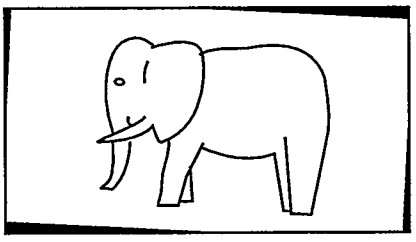
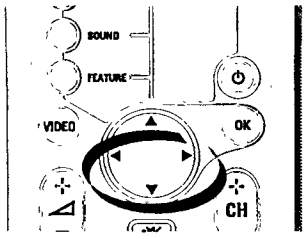
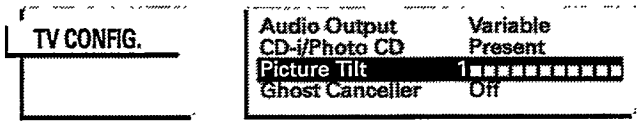


Fig.2 Picture tilted to the right

- Press the ▼ button to highlight **Picture Tilt.**
- Press ◄ button to tilt the picture slightly back to the left or ► button to tilt the picture slightly back to the right.

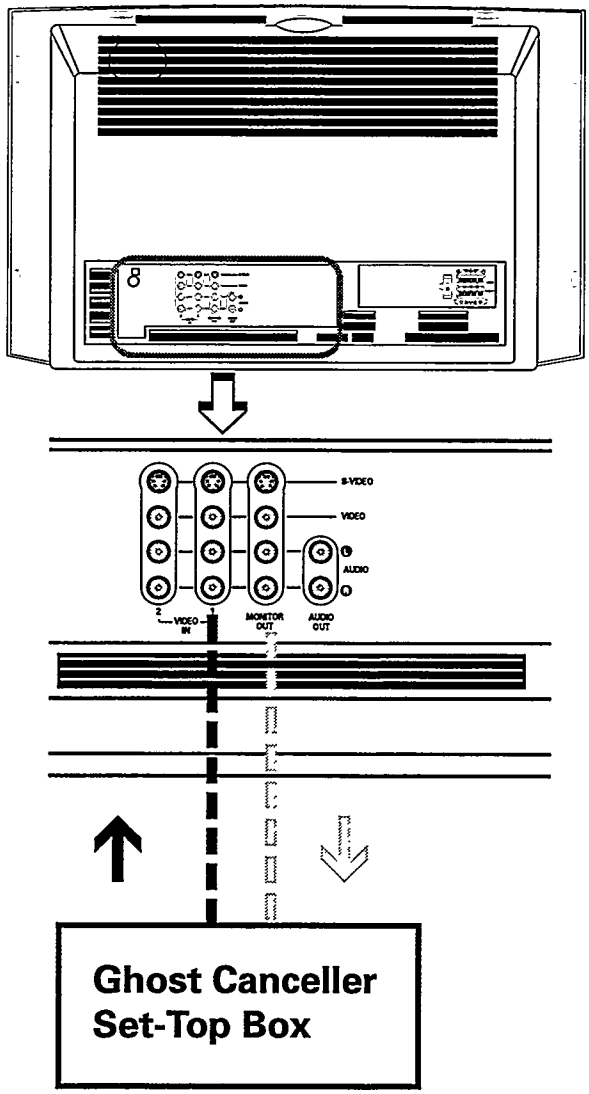




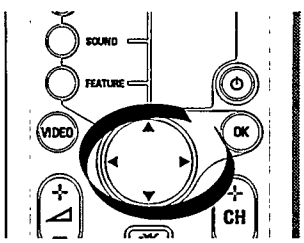
English

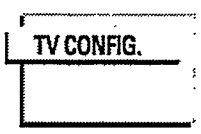
Ghost Canceller

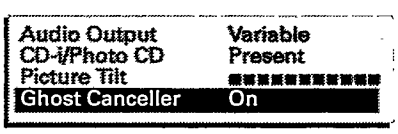
You are recommended to use this feature when you receive "ghosts" or double images in your off-air picture. First you have to connect one end of a "Ghost Canceller Set-Top Box" (not provided) to the **"MONITOR OUT"** and another end to the **"VIDEO IN 1"** at the back of the television.



- Press the ▼ button to highlight **Ghost Canceller.**
- Press ◄ or ► button to select **On.**
  Once your connection is done, you are recommended to leave the selection as "On" to improve the reception of the programme you are watching. The channel "AV 1" is not selectable after this.

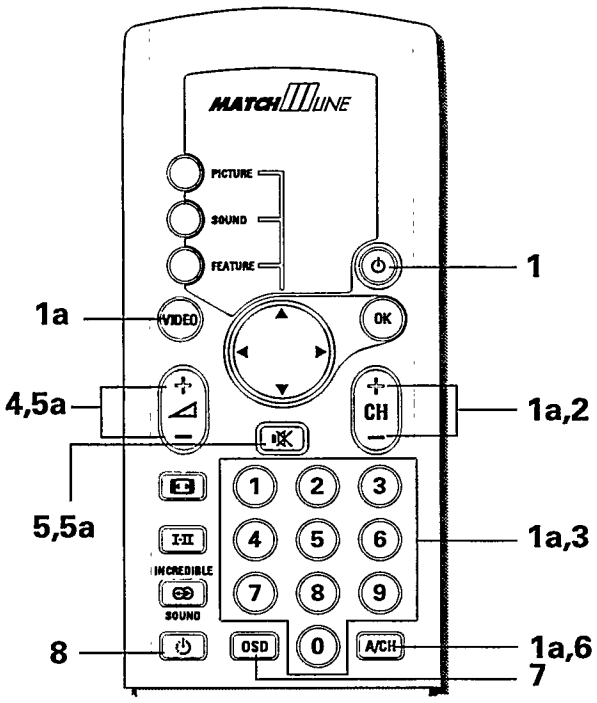




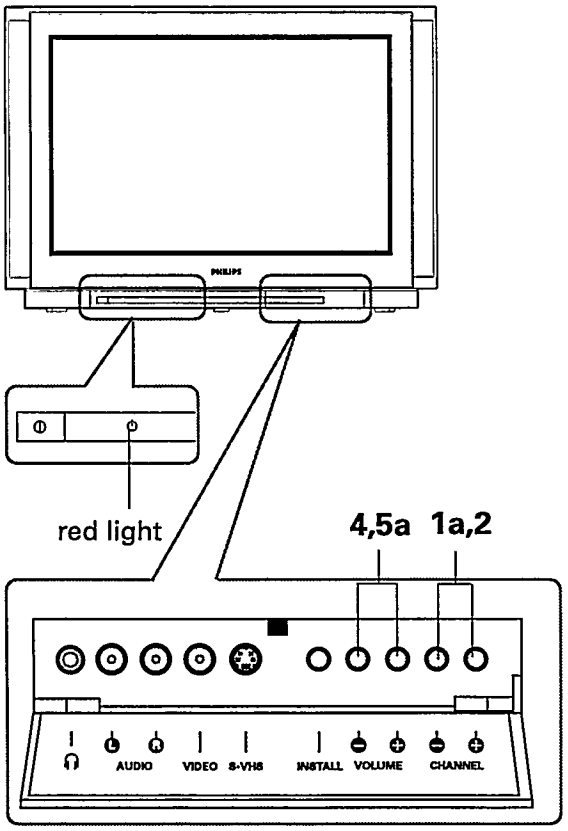


If you have completed, press **INSTALL** button once to go back to **INSTALLATION** menu and again to quit.

Operating your television



Remote Control



Television Control

Button no.	Function
1	Switch off your television temporarily (standby). A red indicator light appears on the front of the television.
1a	Switch on again from standby.
2	Select a higher or lower programme numbers. The numbers must be in the 'Favourite Programme' list.
3	Key in programme number directly. For 2-digit programme number, you have to complete keying in within 2 seconds.
4	Adjust volume.
5	Switch off sound temporarily. [illegible] will appear on the screen.
5a	Switch on sound again.
6	Switch between last viewed and current programme number.
7	Switch on or off on screen information such as picture mode, status of DNR, programme number and name and sound mode (refer to Fig. 1 below). Note : For pernament display of information, press button for more than 4 seconds.
8	Select a time for the television to switch to standby. Select "Off" if you do not wish to use this function. Note : This function is similar to "Sleep timer" in the Feature menu.

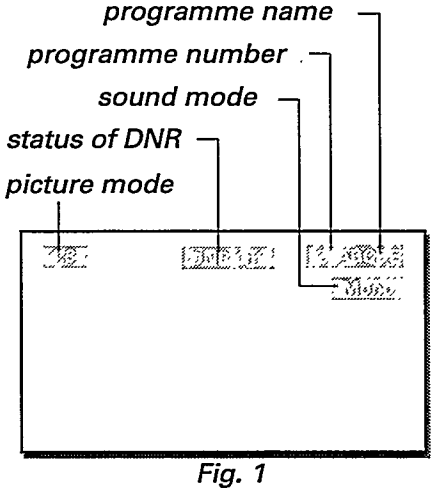
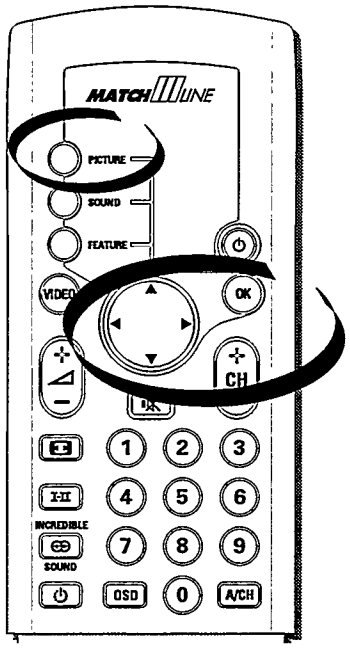


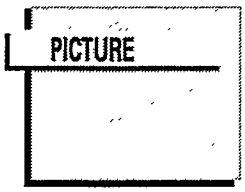
Fig. 1

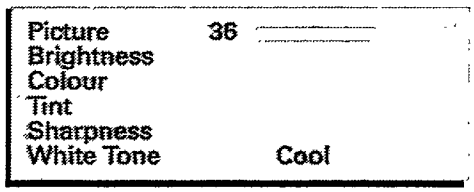
English

Picture menu

The picture menu allows you to make adjustment to the following : **Picture, Brightness, Colour, Tint** (for NTSC programmes only), **Sharpness** and **White Tone.**







- Press **PICTURE** button on your remote control to start the **PICTURE** menu.
- Press ▲ or ▼ button to highlight your choice.
- Press ◄ or ► button to make your selection. An adjustment bar appears. (Please refer to the table below for the possible adjustment)
- Press **OK** button to return to **PICTURE** menu.

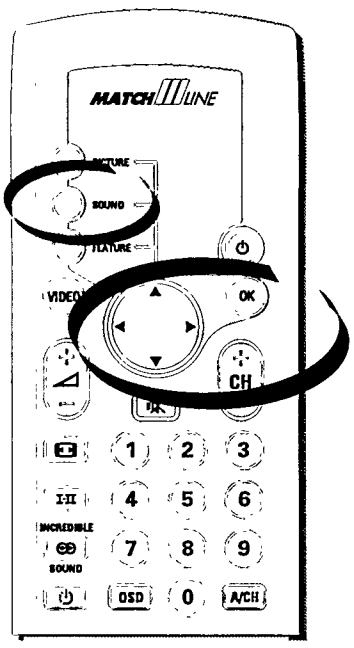
Note : The adjustment bar will return to the picture menu after 2 seconds if you do not make any selection.

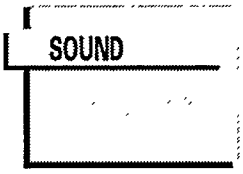
Sub-menu	Selections
Picture	increase or decrease
Brightness	increase or decrease
Colour	increase or decrease
Tint	increase or decrease
Sharpness	increase or decrease
White Tone	Cool, Normal or Warm

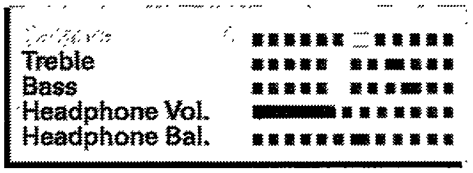
If you are satisfied with your selection, press **PICTURE** button to exit .

Sound menu

The sound menu aloows you to mak e adjustment to the following : **Balance, Treble, Bass, Headphone Vol.,** and **Headphone Bal.**







- Press **SOUND** button on your remote control to start the **SOUND** menu.
- Press ▲ or ▼ button to highlight your choice.
- Press ◀ or ▶ button to make your selection. (Please refer to the table below for the possible adjustment)
- Press **SOUND** button to exit.

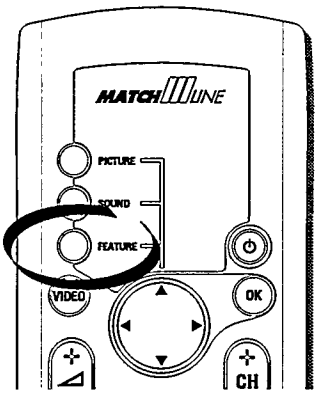
Sub-menu	Selections
Balance	increase or decrease
Treble	increase or decrease
Bass	increase or decrease
Headphone Vol.	increase or decrease
Headphone Bal.	increase or decrease

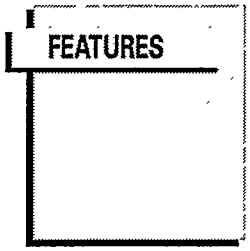
English

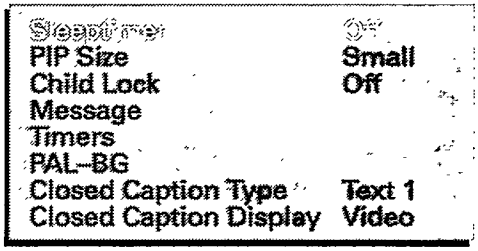
Features menu

The features menu consists of the following : **Sleeptimer, PIP Size, Child Lock , Message** and **Timers.**

- Press **FEATURE** button on your remote control to start **FEATURE** menu. **Sleeptimer** is automatically highlighted.



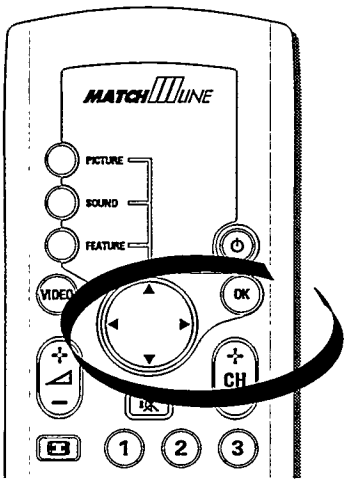


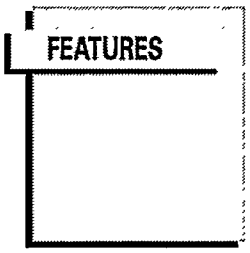


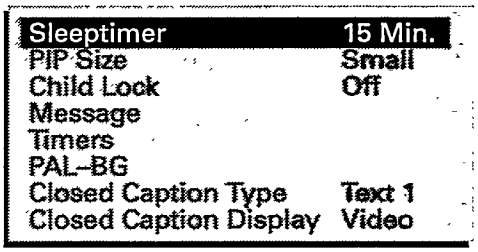
Sleeptimer

You can use this feature to set a time for your television to switch to 'standby' (switch off temporarily).

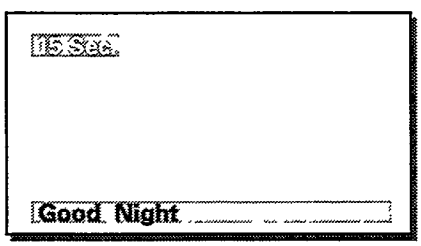
- Press and hold down ▶ button to increase the timer in steps of 15 minutes to a maximum of 180 minutes or press and hold down ◀ button to decrease the timer. If you do not wish to set the timer, select **Off.**







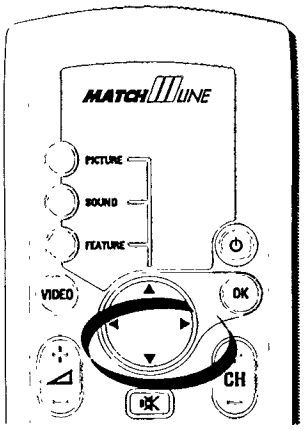
One minute before your television switches to 'standby', the time appears on the screen together with the message **Good Night** and starts to count down.

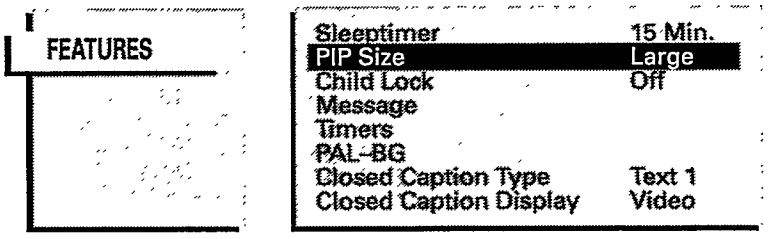


Pip Size

Use this feature to select the desired size of your Picture in Picture subscreen.

- Press ▼ button to highlight **PIP Size.**
- Press ◄ or ► button to select either **Small** or **Large.**

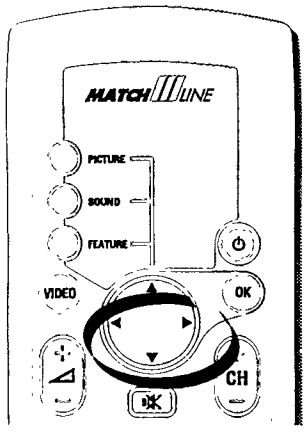


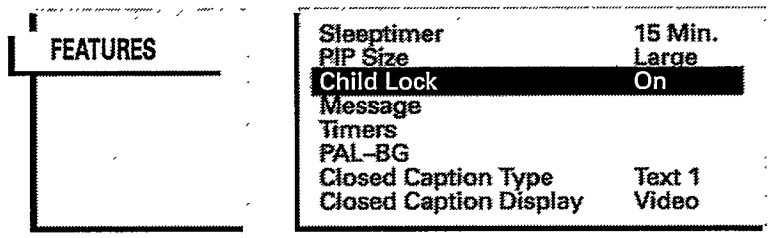


Child Lock

When **Child Lock** is **On,** it will disable the **CHANNEL** ⊕ or ⊖ button on your television's controls while control via the remote control is still possible.

- Press ▼ button to highlight **Child Lock.**
- Press ◄ or ► button to select either **On** or **Off.**
  When it is **On,** your television's screen will display **Child Lock On!** whenever you press **CHANNEL** ⊕ or ⊖ button on your television's controls. Also, whenever you switch on your television via the power knob or mains supply it will automatically go to standby mode. (Refer to section on 'Operating your television' on the various ways to switch on)

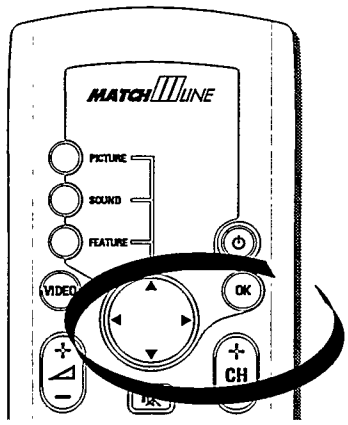


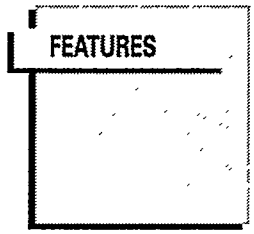


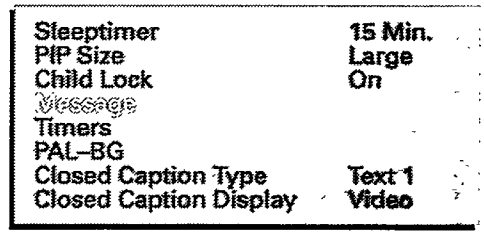
Message

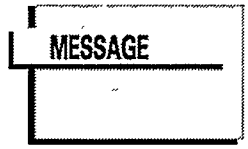
Use this feature to create your message for display on the screen.

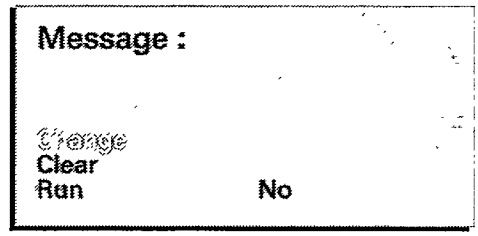
- Press ▼ button to highlight **Message.**
- Press **OK** button to select it.
  A sub-menu appears for you to key in your message and at the same time **Change** is highlighted.





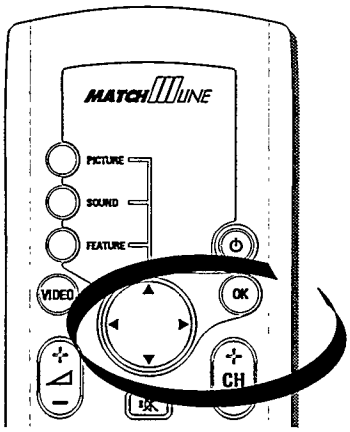


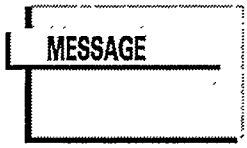


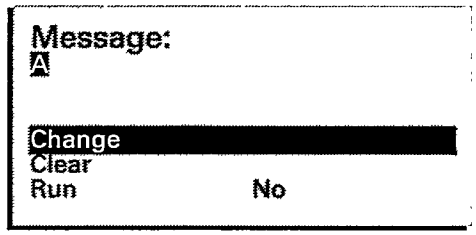


Change Message (make a message or edit an existing message)

- Press **OK** button to select **Change** .
  A block appears below the word Message : . Use ◄, ►, ▲,▼ or **OK** button to make or edit your message. Refer to the table below for the function of each button.





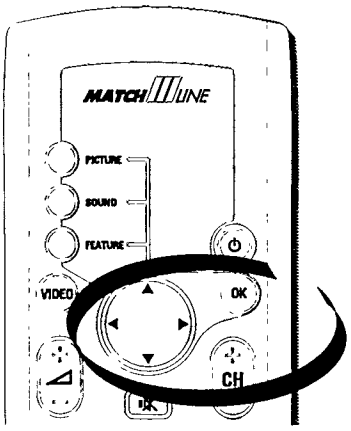


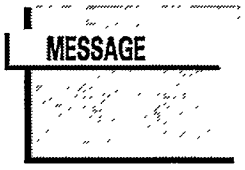
Button	Function
OK	Start or end the process
►	Select next character position
◄	Select previous character position
▲	Select the next character or number for the current position
▼	Select the previous character or number for the current position

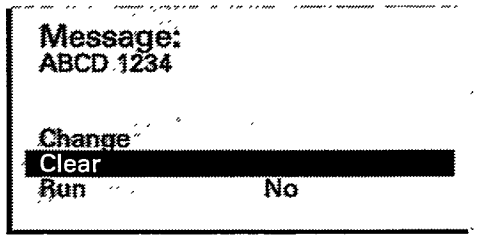
Note : The possible characters for a message are "A ... Z, –, *, /, +, ., #, 0 ... 9 and [Space]".

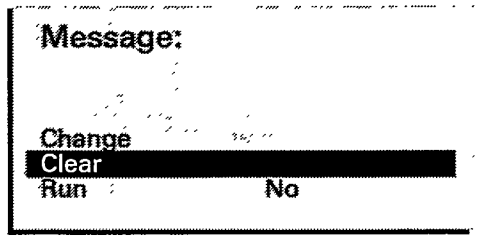
Clear Message (delete the message that you have made completely)

- Press ▼ button to highlight **Clear** .
- Press **OK** button to confirm selection.
  The whole message will be deleted completely.





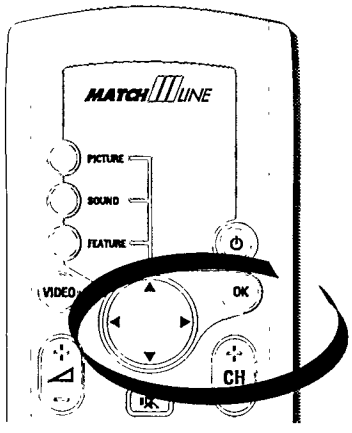


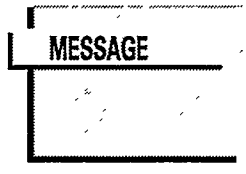


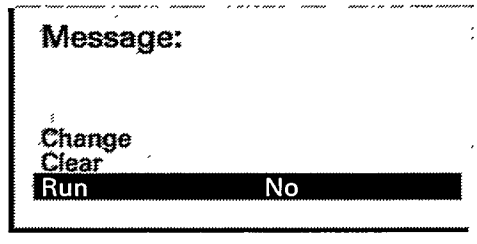
Run Message (select the frequency of display of your message)

- Press ▼ button to highlight **Run** .
- Press ◄ or ► button to select **No** or **Continuous***.
  No : Do not run message.
  Continuous : Run message continuously.

*Note : The **Run Message** will be reset to **NO** once you switched off your television. You can also clear the message when it is running by pressing **OK** button.



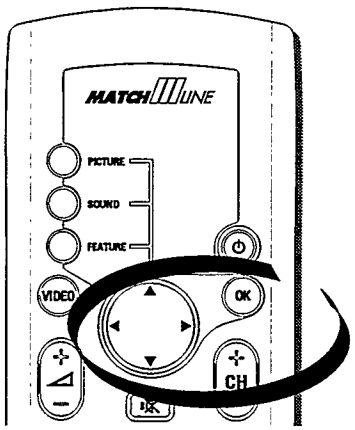


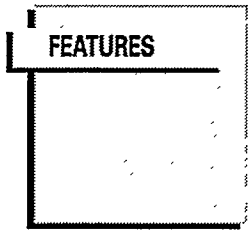


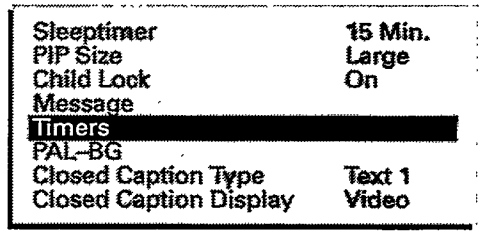
If you have finished with your selection, press **FEATURE** button once to go to **FEATURE** menu. To see the message running, remove all menus on the screen.

Timers

This feature is for you to switch the channel that you are watching to another channel at a specific time. You must first go to the **FEATURE** menu and select **TIMERS. Actual Time** is highlighted.





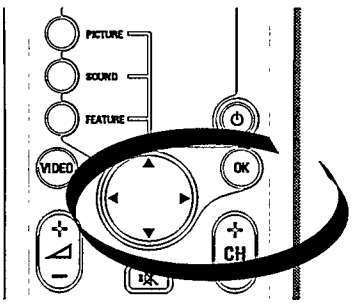


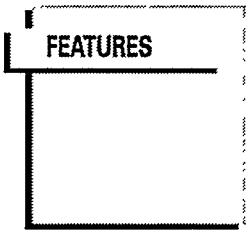
- Press ▲ or ▼ button to highlight your choice.
- Press **OK** to confirm.
- Press ◄ or ► button or digit buttons to key in the value.

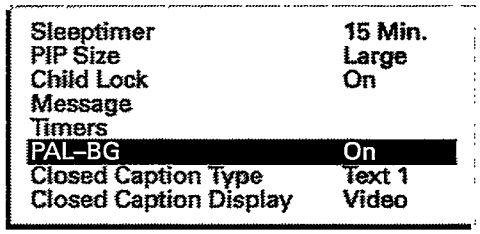
Sub-menu	To select	What to do
Actual Time	The present time.	Key in time starting with hour then minutes.
Programme	The channel that you want to switch to at the pre-set time.	Key in the programme number for the desired television channel.
Start Time	The pre-set time that you want the channel switching to occur.	Key in time starting with hour then minutes.
Cancel time	Cancel the 'Start Time'.	Press **OK**.

PAL-BG

Only selectable when you are in the " **FRONT** " playback channel. When you are playing back tape in the PAL-BG format and there is no colour in the picture, then select " **On** " to produce the colour.







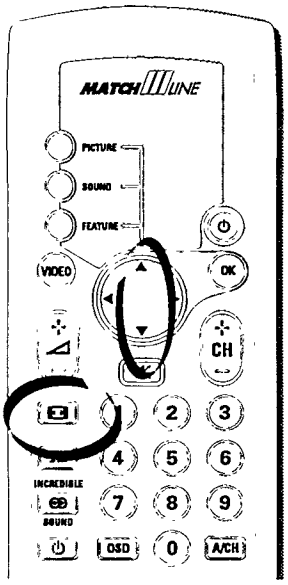
For menu items "Closed Caption Type" and "Closed Caption Display" refer to section on "Closed Caption".

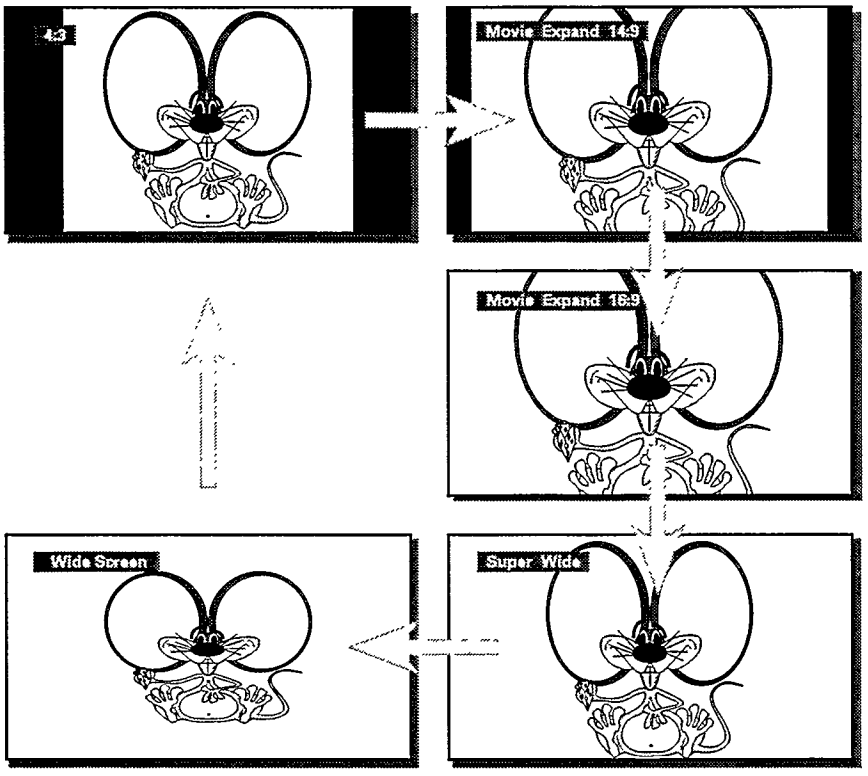
When you have finished, press **FEATURE** button to go back to **FEATURE** menu and again to exit.

Picture Mode

Your television offers you 5 different picture modes to choose from.

- Press ⊡ button to cycle through the different picture mode and make your choice.





4:3

This mode leaves conventional 4:3 picture as they are, with black bars on both sides of your screen.

Movie Expand 14:9

This feature is recommended for viewing "letter-box" movie (picture with a black bar on the top and bottom) with 14:9 format. When you select this mode, you are able to fill the screen at the top and bottom. Because your television's screen format is 16:9 you will see a black bar on both sides of the screen. If you watch a 4:3 picture in this mode, the picture will be expanded and some information at the top and bottom will be lost. Press ▲ or ▼ to move the picture up or down.

Movie Expand 16:9

This feature is recommended for viewing "letter-box" movie (picture with a black bar on the top and bottom) with 16:9 format. When you select this mode, you are able to fill up the whole screen . If you watch a 4:3 picture in this mode, the picture will be expanded and some information at the top and bottom will be lost. Press ▲ or ▼ to move the picture up or down.

Super Wide

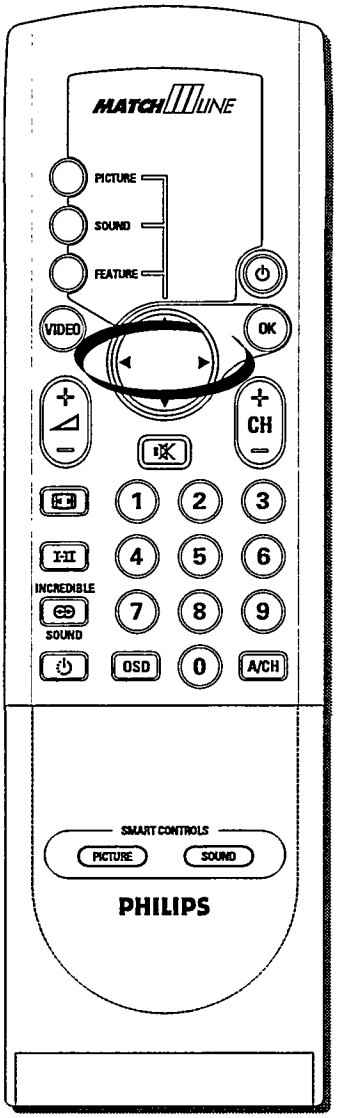
Ideal for conventional 4:3 television broadcasts and pre-recorded software, including movies trimmed to 4:3. It creates a wide and natural picture by enlarging the entire picture. The top and bottom parts will be expanded slightly out of the viewing screen. Press ▲ or ▼ to move the picture up or down if required.

Wide Screen

Since your television and the picture are in the same format, there will be no loss of information when you select this mode.

Continuous Zoom

An exclusive PHILIPS feature specially built for your viewing pleasure in the **4:3, Movie Expand 14:9** and **Movie Expand 16:9** picture mode.

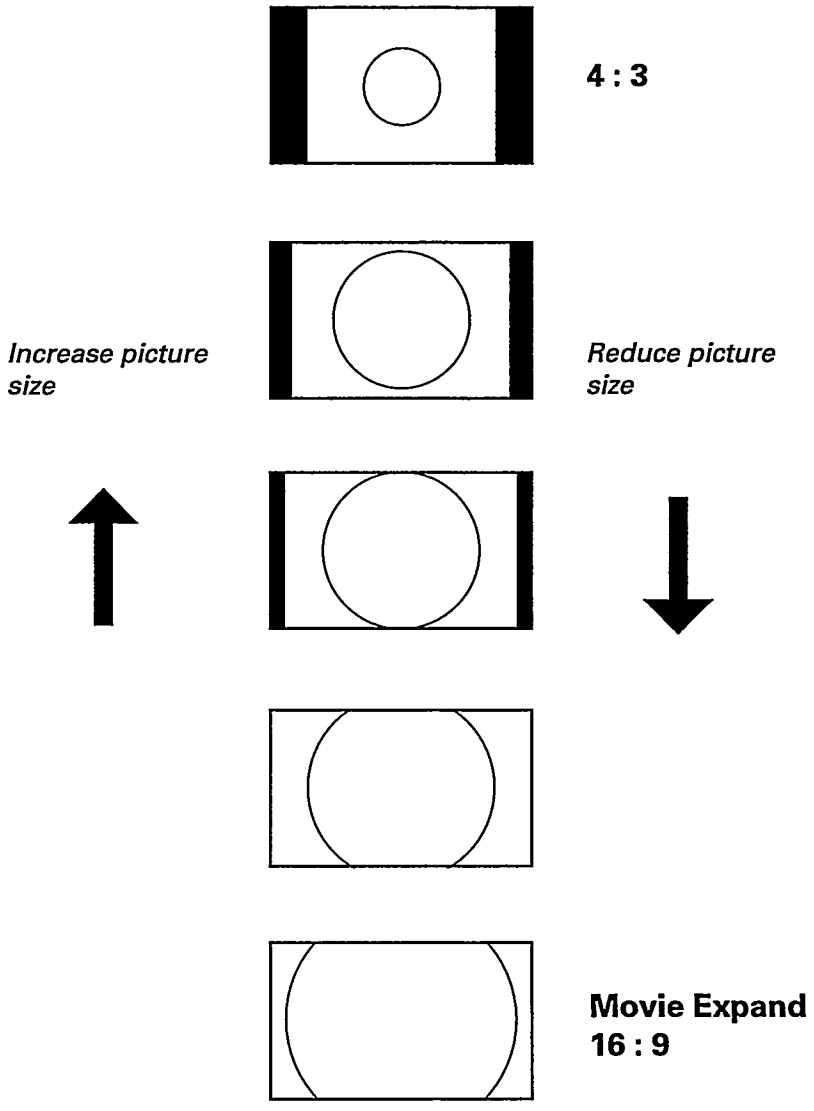


To enlarge picture size

Press and hold ▶ button until the desired picture size is obtained.

To reduce picture size

Press and hold ◀ button until the desired picture size is obtained.

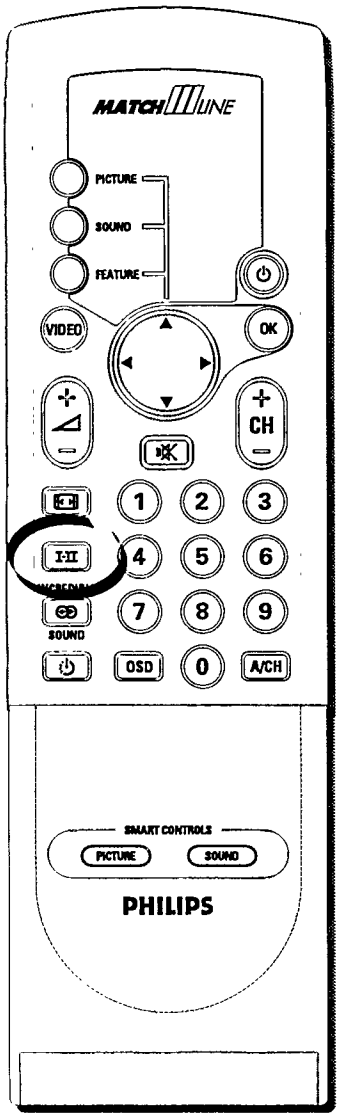


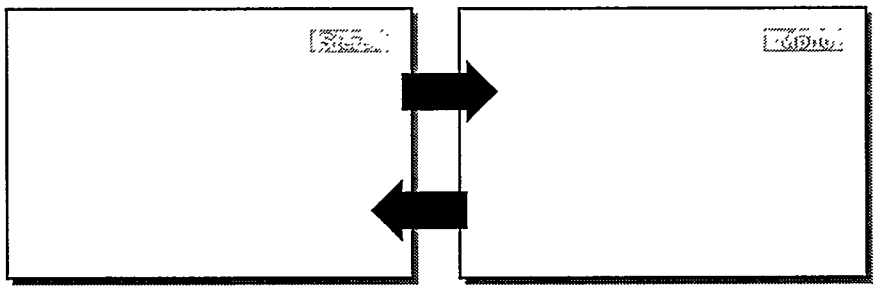
Screen Display

Stereo sound

If the television programme is transmitted in Stereo, you can select **MONO** sound.

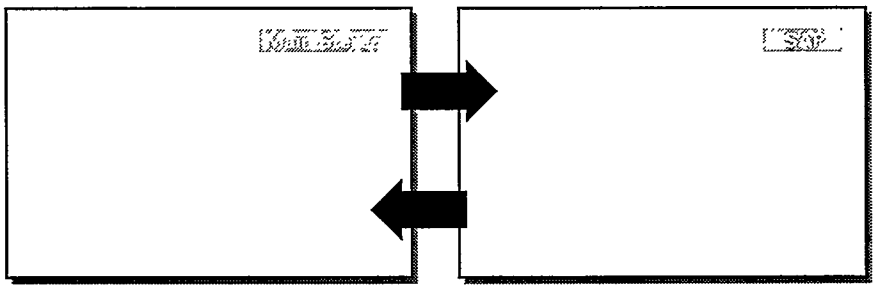
- Press I-II button to toggle between the two sound modes and make your selection.





In some programmes, there are up to two different languages in simultaneous transmission.

- Press I-II button to toggle between **Main Stereo** and **SAP** (second audio programme) and make your selection.

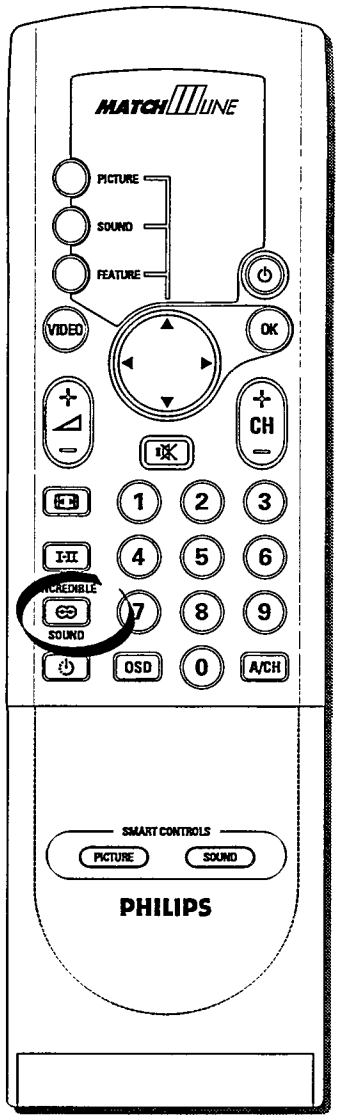


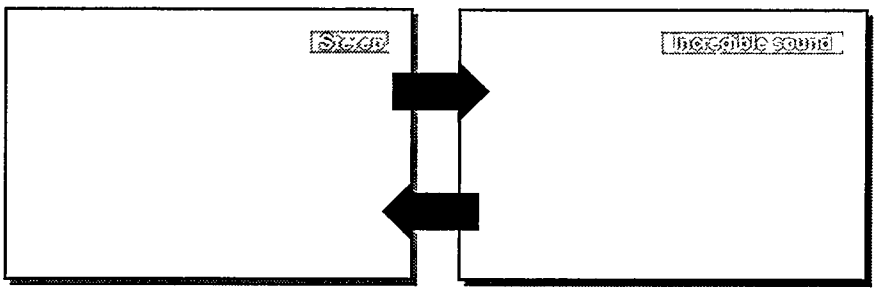
English

Incredible sound and Spatial sound

In **STEREO** mode, you can boost the sound to enhance the stereo effect. The word **INCREDIBLE SOUND** appears momentarily on the screen.

- Press ⊜ button to switch on or off this effect.

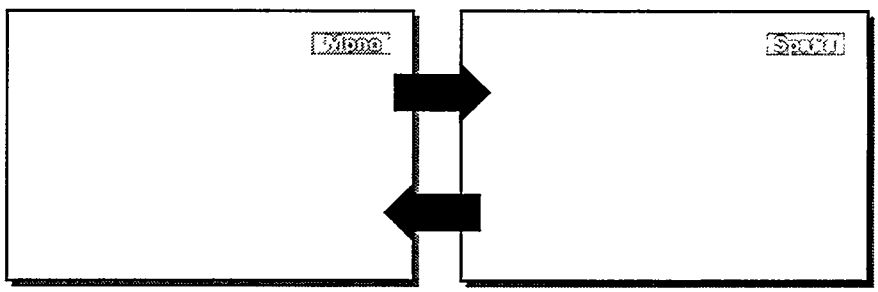




Note : When switching from stereo to mono programmes you may experience a small decrease in volume.

In **MONO** mode, you can enhance the sound with a 'surround' effect.
The word **SPATIAL** appears momentarily on the screen.

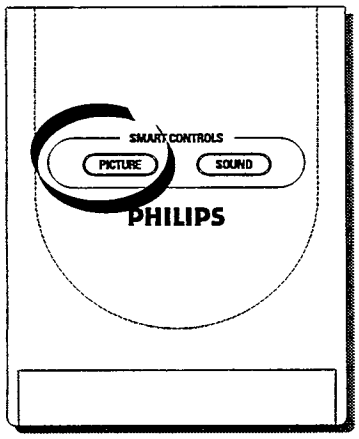
- Press ⊜ button to switch on or off this effect.



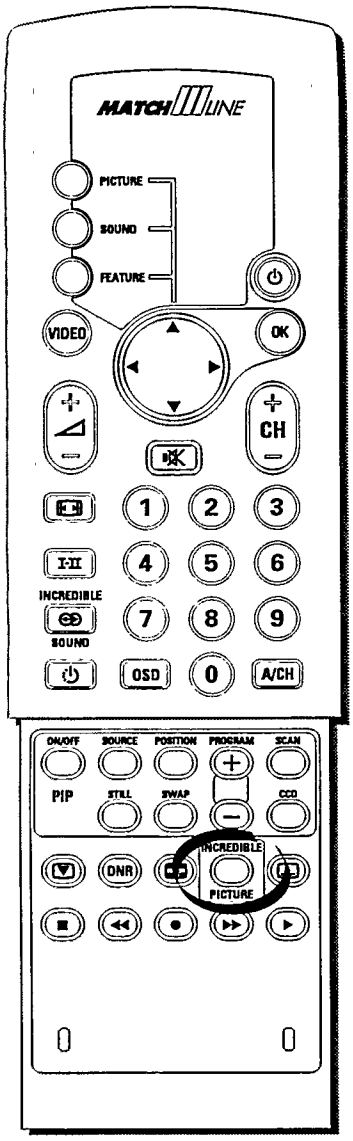
Incredible Picture

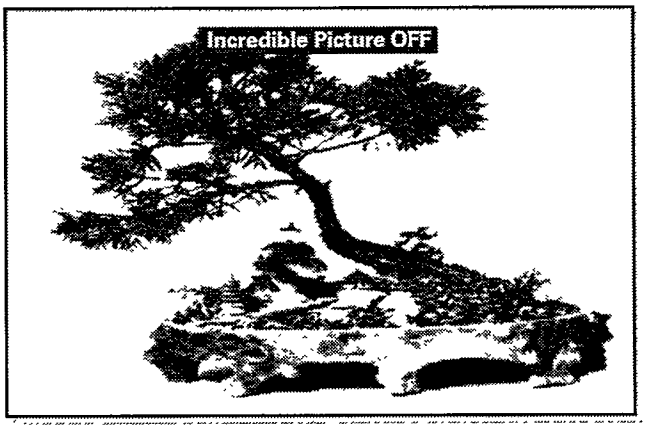
This feature automatically optimise the picture you are watching.

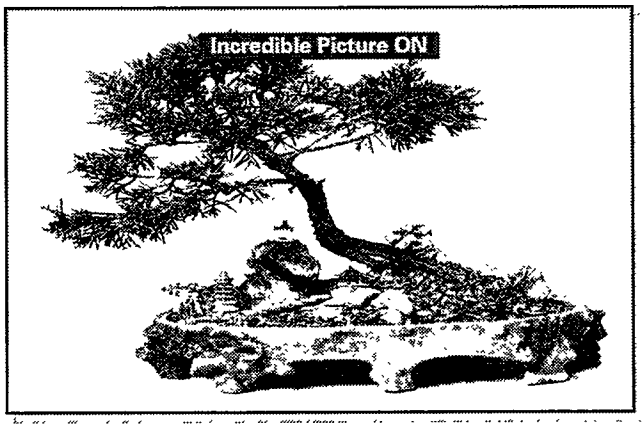
Note : If you press **SMART CONTROL PICTURE** button, Incredible Picture is automatically switched on.



- Press **INCREDIBLE PICTURE** button to switch on this feature.







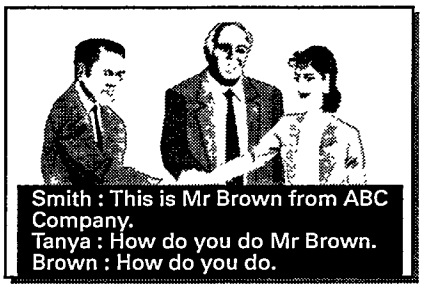
English

Closed Caption

What is Closed Caption?

Closed Captioning allows you to read the voice content of television programmes on the screen. Designed to help the hearing impaired, this feature uses on screen 'text boxes' to show dialogue and conversations while the television programmes is in progress. Closed Caption is also available for some laser discs and video tapes. There are four caption mode (Caption 1, 2, 3 or 4) and four text mode (Text 1, 2, 3 or 4). They may be transmitted simultaneously and can be used for different lanuguages and information.

English



Example of a Caption mode

Caption 1, 2, 3 or 4

Dialogues (and descriptions) for the action of the captioned television programme showing on the screen. During screening of the programme, the text can appear up to 4 rows simultaneously anywhere on the screen.

Example of a Text mode

Text 1, 2, 3 or 4

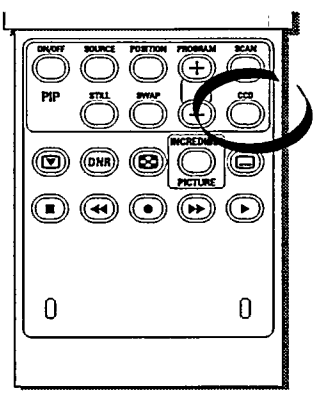
Often used for channel guides, schedules or bulletin board information for closed caption programmes. The complete screen is used for displaying text.
Note : This mode is not selectable when the picture display on the screen is "4 : 3" or "Wide Screen".

Important :

1. Not all television programmes and product commercials are made for broadcast with Closed Caption information included. Neither are all Closed Caption modes (Caption 1 to 4 or Text 1 to 4) necessarily being used by a broadcast station during transmission of a closed caption programme. Check with your local listings for details.

2. Broadcast station will often use spelling abbreviations, symbols and other grammatical shortcuts in order to keep pace with the on screen action. These vary with the source of the captioned text material and do not indicate a need for service of the television.

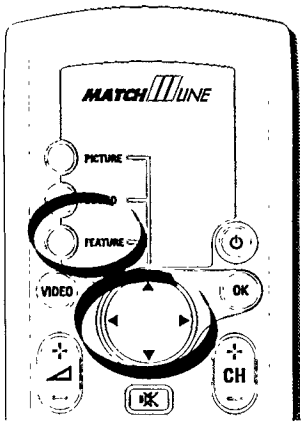
To activate Closed Caption

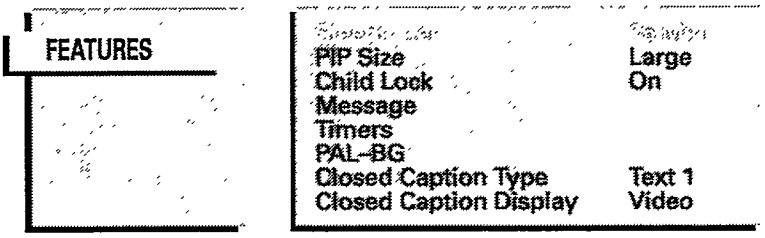


- Press **CCD** button on the lower half of the remote control once and the status appears.
- Press **CCD** button again to select either **On** or **Off.**

To select Closed Caption Type/Display

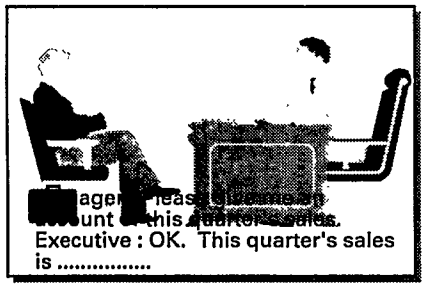
- Press **FEATURE** button on your remote control to start the **FEATURES** menu.
- Press ▲ or ▼ button to highlight your choice.
- Press ◀ or ▶ button to make your selection. (Please refer to the table below for the possible adjustment)
- Press **FEATURE** button to exit.



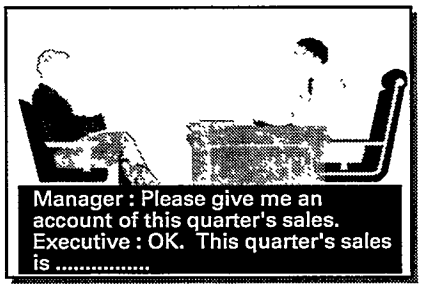


Sub-menu	Selections
Closed Caption Type	Text 1, Text 2, Text 3, Text 4, Caption 1, Caption 2, Caption 3 or Caption 4
Closed Caption Display *	Video, Meshed or Normal

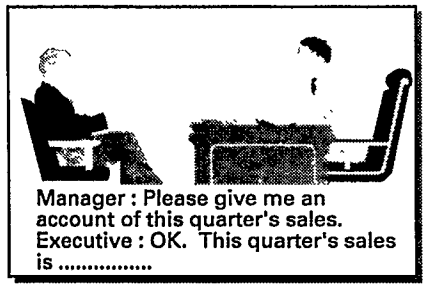
* Example of Closed Caption Display



Video



Normal



Meshed

Subtitle Shift

Use this feature when the subtitles of the programme that you are watching were hidden from your view e.g. Fig. 1 and Fig. 2.

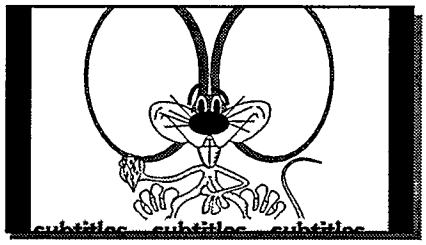


Fig. 1 Picture in 'Movie Expand 14:9' mode

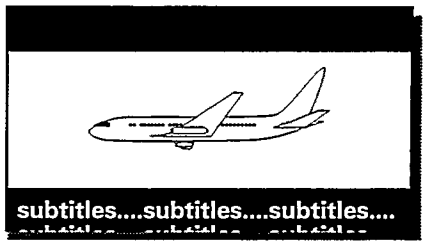
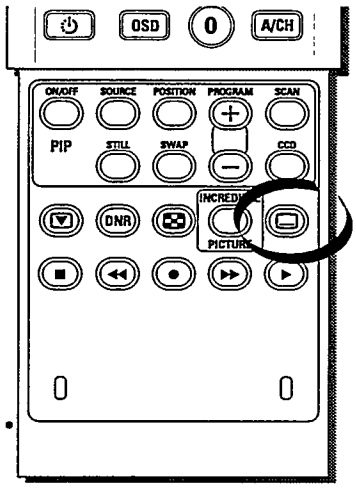


Fig. 2 Picture in 'Letterbox' mode

English

- Press ▭ until the word **Subtitle shift ON** appears.
  The picture mode is automatically selected to 'Movie Expand 16:9' regardless of whichever picture mode you were in and the subtitles will be shifted up. You may noticed a slight deformation at the bottom of the picture in Fig. 3 but not in Fig. 4. For this reason, 'Subtitle Shift' feature is recommended for 'Letterbox' picture.



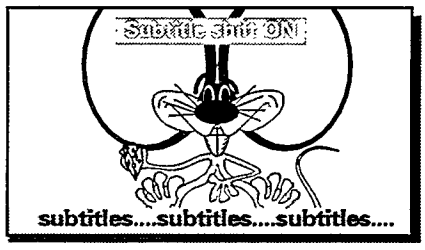


Fig. 3

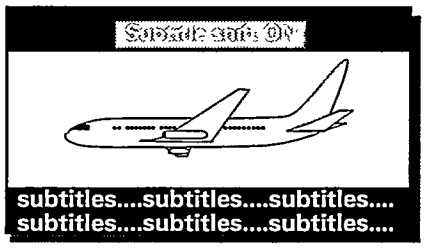
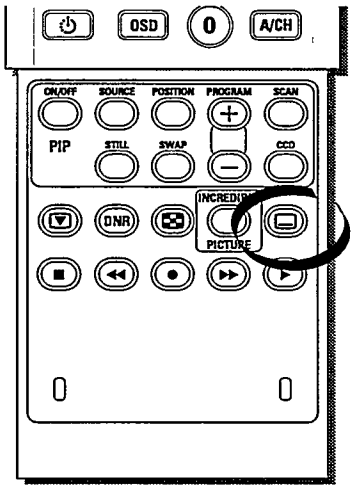
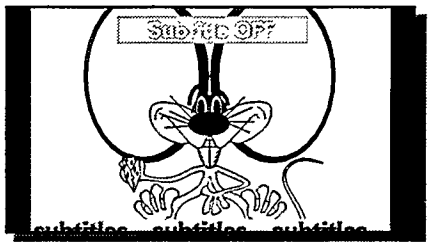
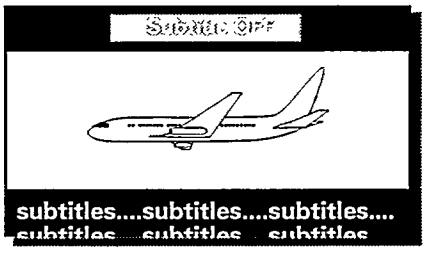


Fig. 4

- Press twice to switch off 'Subtitle Shift'.
  The word **Subtitle OFF** appears momentarily and your last picture mode is restored.







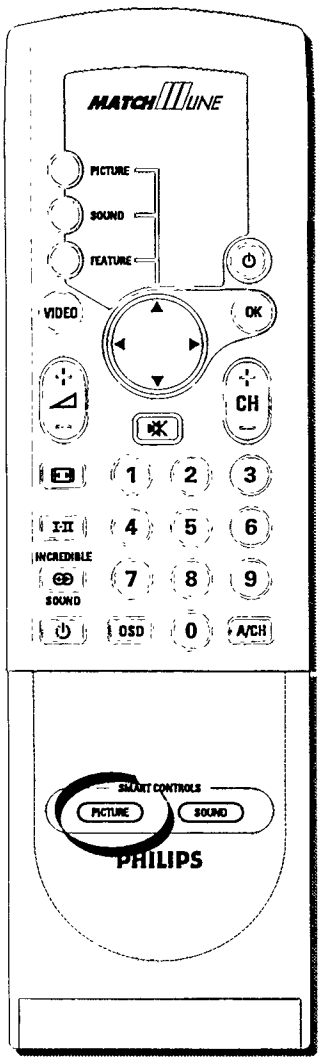
Smart Controls

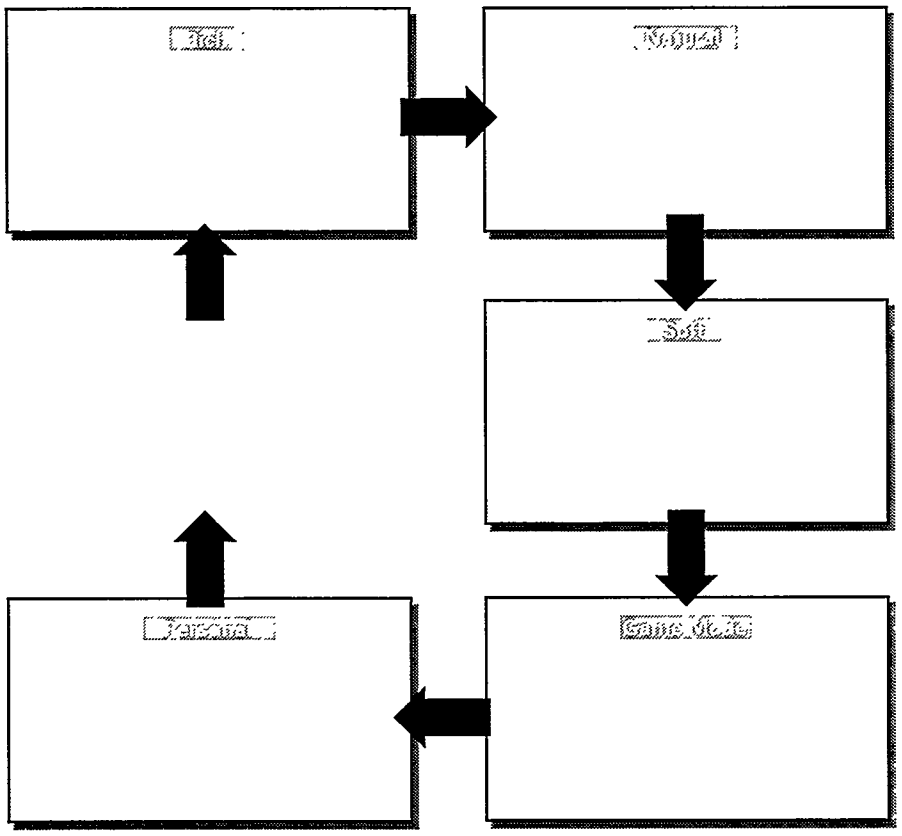
You can choose the different picture and sound presentations available according to your preference.
Close the lower half of your remote control to access to the Smart Controls buttons on the cover.

Select picture settings

- Press **SMART CONTROLS PICTURE** button repeatedly to select **Rich, Natural, Soft, Game Mode** and **Personal.**
  The selection possibilities are displayed briefly on the top of the screen.

Rich	–	Very vibrant colours.
Natural	–	Natural and original colours.
Soft	–	Warm colours and gives a cinema like effect when light is switched off.
Personal	–	The picture settings which you have last adjusted in this channel.
Game Mode	–	Picture and sound settings recommended for video games.



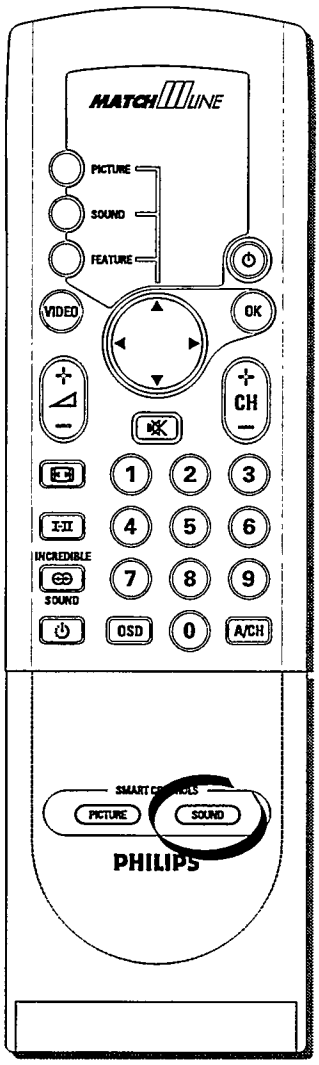


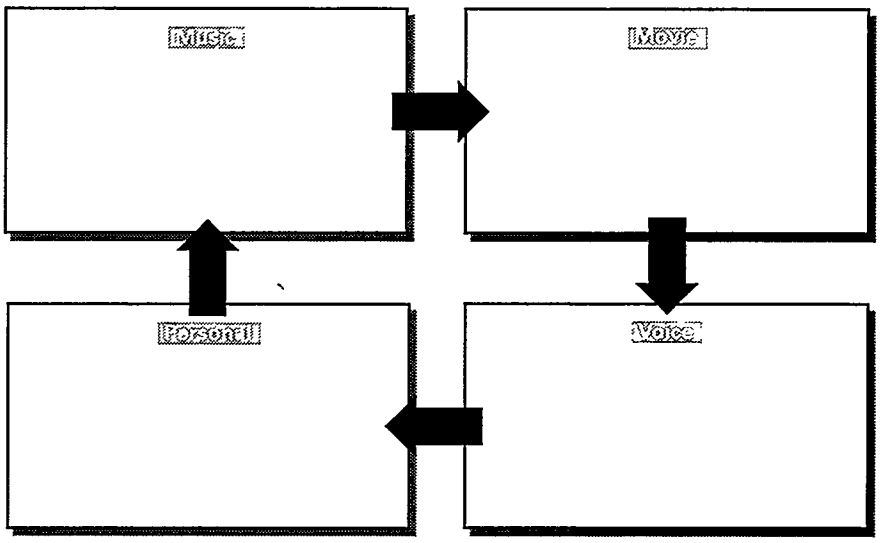
Select sound settings

- Press **SMART CONTROLS SOUND** button repeatedly to select **Music, Movie, Voice** and **Personal.**
  The selection possibilities are displayed briefly on the top of the screen.

Music	–	Emphasizes bass frequency so that music is dynamic.
Movie	–	Emphasizes low and high frequencies to give sensation to the action.
Voice	–	Emphasizes speech frequency so that voice is clear.
Personal	–	The sound settings which you have last adjusted in this channel.

English

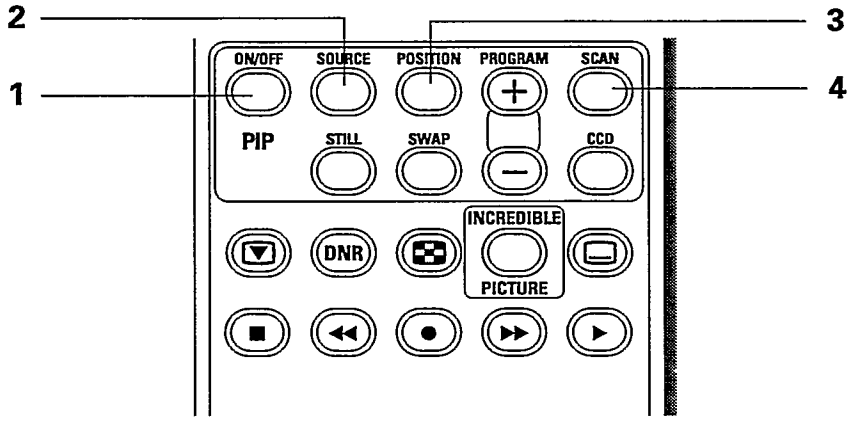


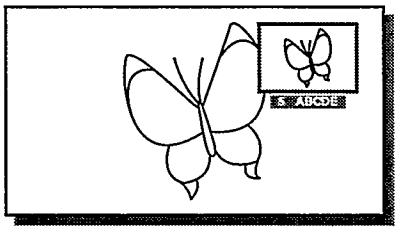
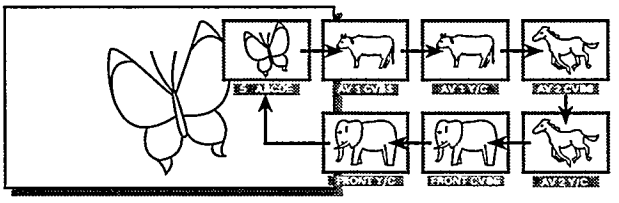
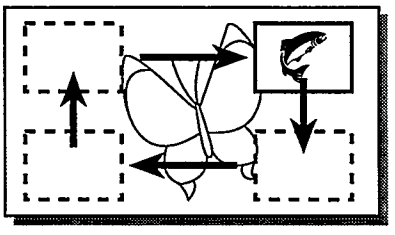


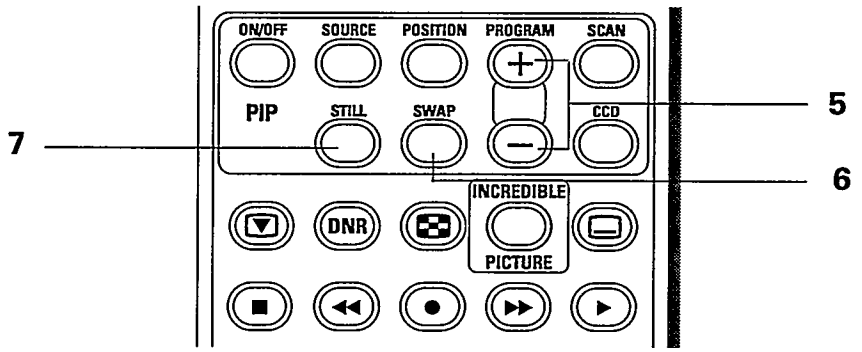
Picture In Picture (PIP)

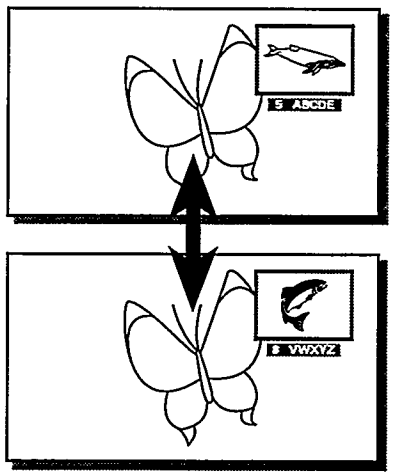
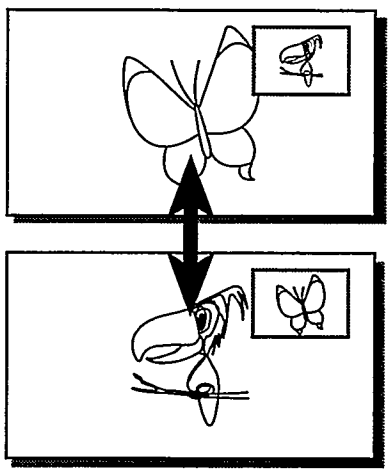
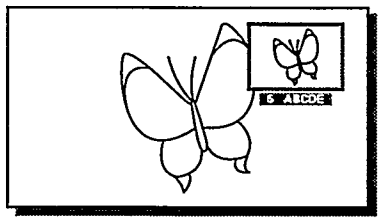
Open the lower half of your remote control to access to the PIP function buttons

With Picture In Picture (PIP), you can call up a subscreen within your main screen. Therefore, you can watch two channels at the same time.

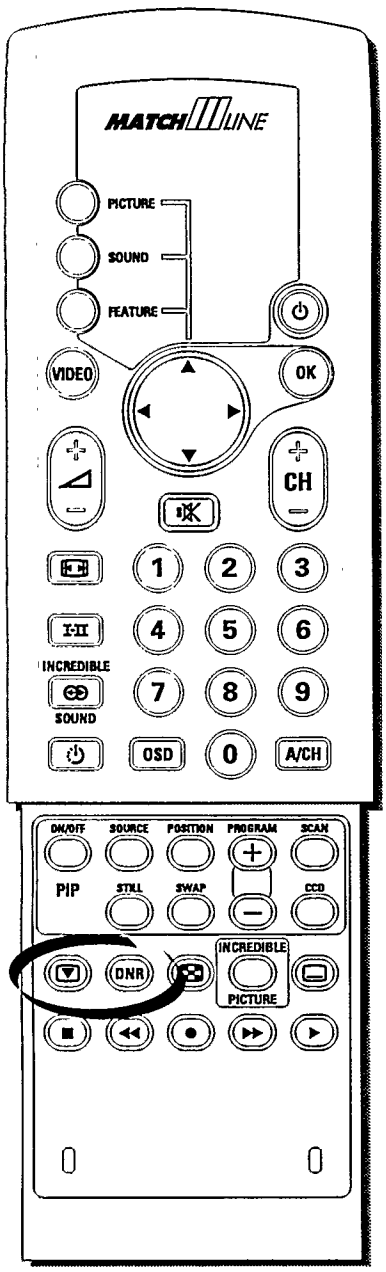


No.	Function	Screen Display
1	Switch on or off PIP.	
2	Select PIP source. If no connection has been made, there will be no picture on screen.	
3	Select desired position of PIP screen.	
4	Scans through channels with the following sequence : All the off-air channels in the "Favourite" list in ascending order, AV 1 CVBS, AV 1 Y/C, AV 2 CVBS, AV 2 Y/C, FRONT CVBS, FRONT Y/C in a loop. To stop scanning, press any PIP function button.	



No	Function	Screen Display
5	Select PIP channel. (only all channel numbers in the "Favourite" list is selectable) You can select all off-air and playback channels in the PIP screen.	
6	Interchange the main screen and the PIP screen.	
7	Freeze or unfreeze the PIP screen.	

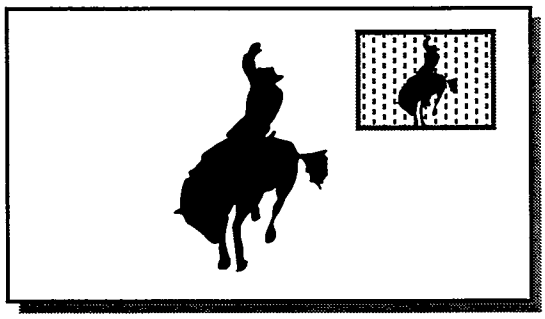
Picture enhancement features



Freeze picture

While you are watching a picture on your television, you can freeze it.

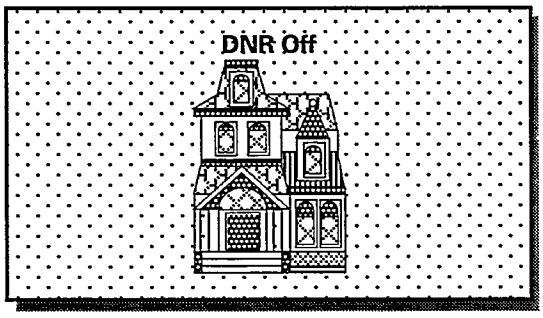
- Press ▼ button to freeze and unfreeze the picture. When you freeze the main screen, a subscreen will appear to show the moving picture.



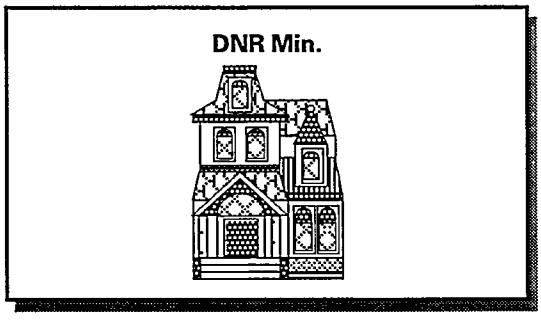
DNR

If you encounter some picture interference (like snowy picture) on your television, switch DNR to minimum or maximum to improve the picture.

- Press **DNR** button to switch to **Min.** (minimum), **Med.** (medium), **Max.** (maximum) or **Off.**



Before DNR (DNR Off)



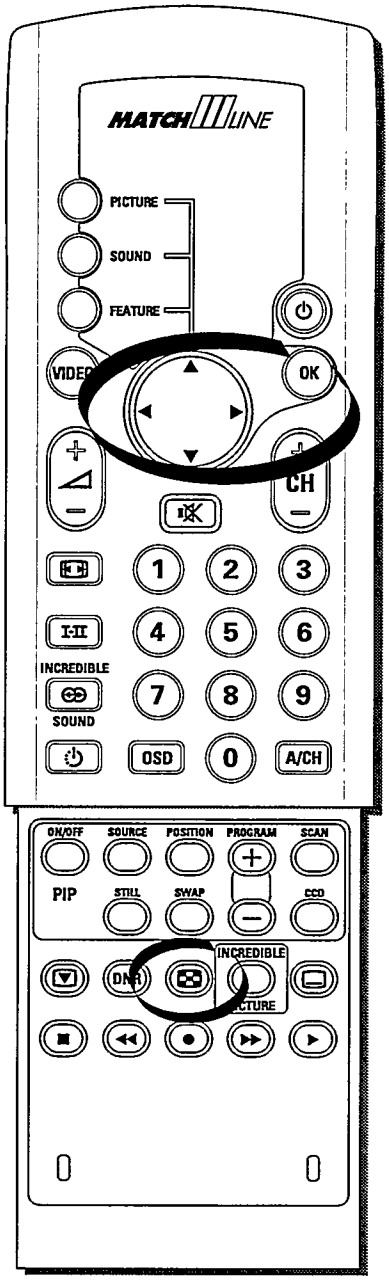
After DNR (DNR Min., Med. or Max.)

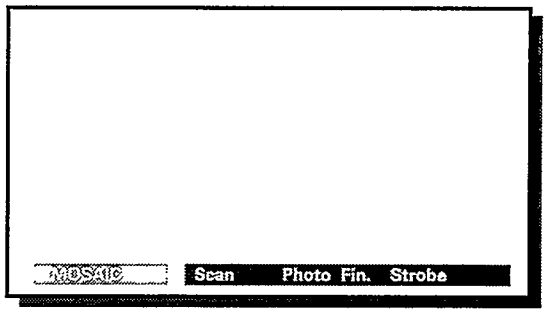
English

English

Programme preview

- Press ⊡ button.
  A menu line **MOSAIC** appears on the bottom of the screen containing 3 functions : **Scan, Photo Fin., Strobe.**

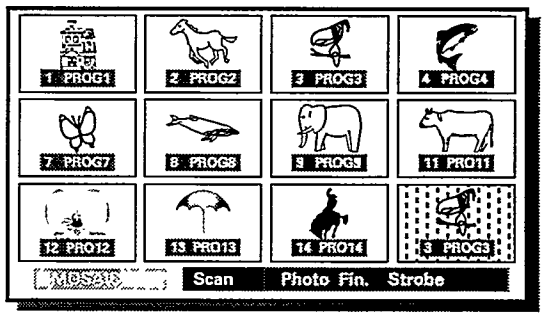




Scan

Use this feature if you wish to make a quick check of all your channels in the "Favourite" list.

- Press ◀ or ▶ button to highlight your choice and **OK** button to select it.
  A scan starting from the lowest programme number is performed each with its own identifying number. At the last position is a moving picture of the last channel that you were watching before you switched on the mosaic screen.



- Press **OK** button again to view more of your "favourite" channels.
  If you wish to select any channel for viewing, use the digit buttons to key in directly the programme number. The mosaic screen will disappear and the selected channel is displayed.
- Press ⊡ button to interrupt the scan function and to switch off the mosaic screen.

Caution : Never perform a scan while recording a television programme with a video recorder connected to AV 1, AV 2 or FRONT because the scan will be recorded on the tape.

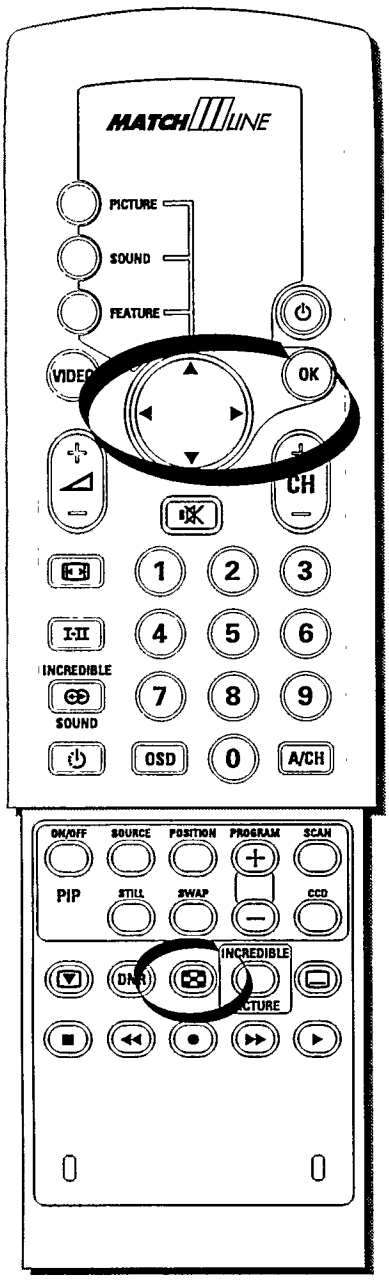
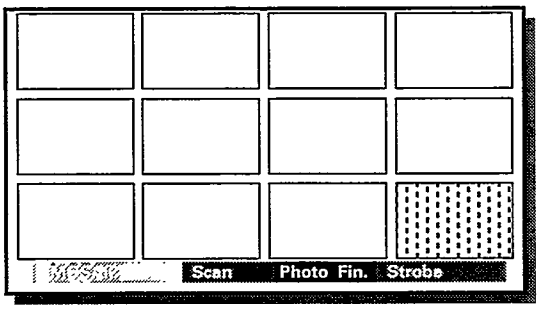


Photo Finish

Use this feature, if you wish to redisplay the picture you are watching in photo finish.

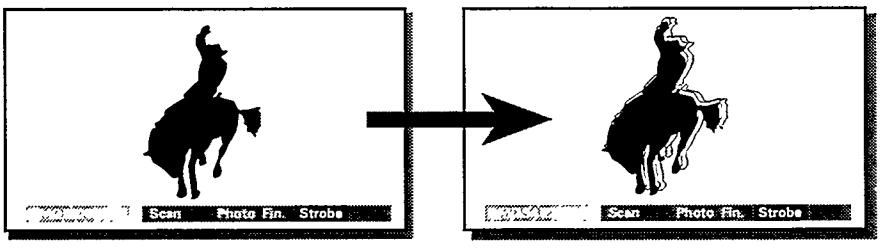
- Press ◀ or ▶ button to highlight your choice and **OK** button to select it.
  The main picture is displayed in successive frozen pictures. The last picture on the bottom right will remain moving.
- Press **OK** button again.
  A new series of photo finish pictures is displayed, overwriting the old ones.
- Press ⬛ button to switch off the photo finish function and mosaic screen.



Strobe

Use this feature if you wish to see the picture you are watching in slow motion.

- Press ◀ or ▶ button to highlight your choice and **OK** button once to select it.
  The picture is reproduced image by image and you get an uninterrupted movement.
- Press **OK** button again.
  The picture is reproduced image by image in a faster way.
- Press **OK** button once more to go back to normal picture.
- Press ⬛ button to switch off the strobe function and mosaic screen.

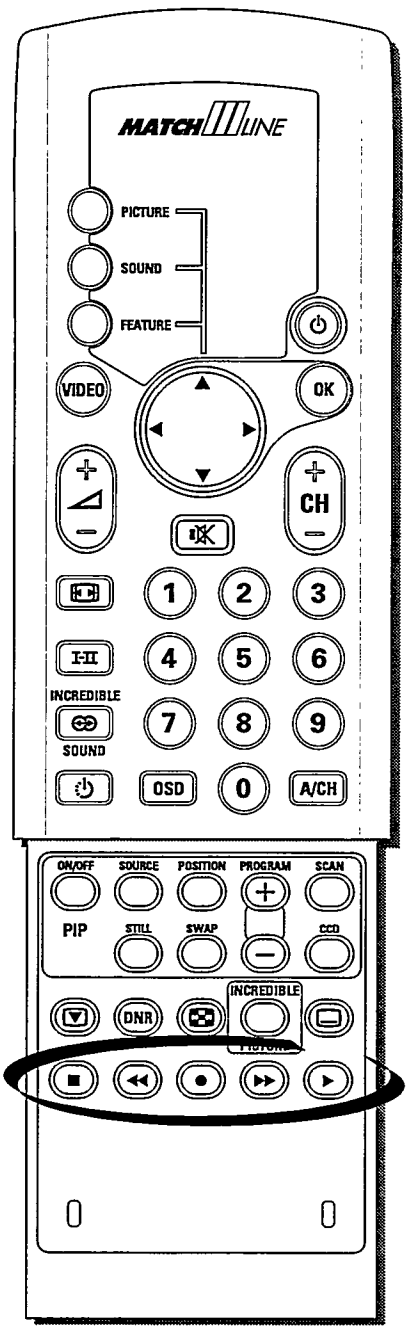


Video Cassette Recorder Functions

Your remote control has been designed specially to be used with selected PHILIPS brand video cassette recorders. Please refer to the individual equipment's instruction manual when using this remote control to ensure compatibility.

Open the lower half of your remote control to access to your video cassette recorder functions buttons

English

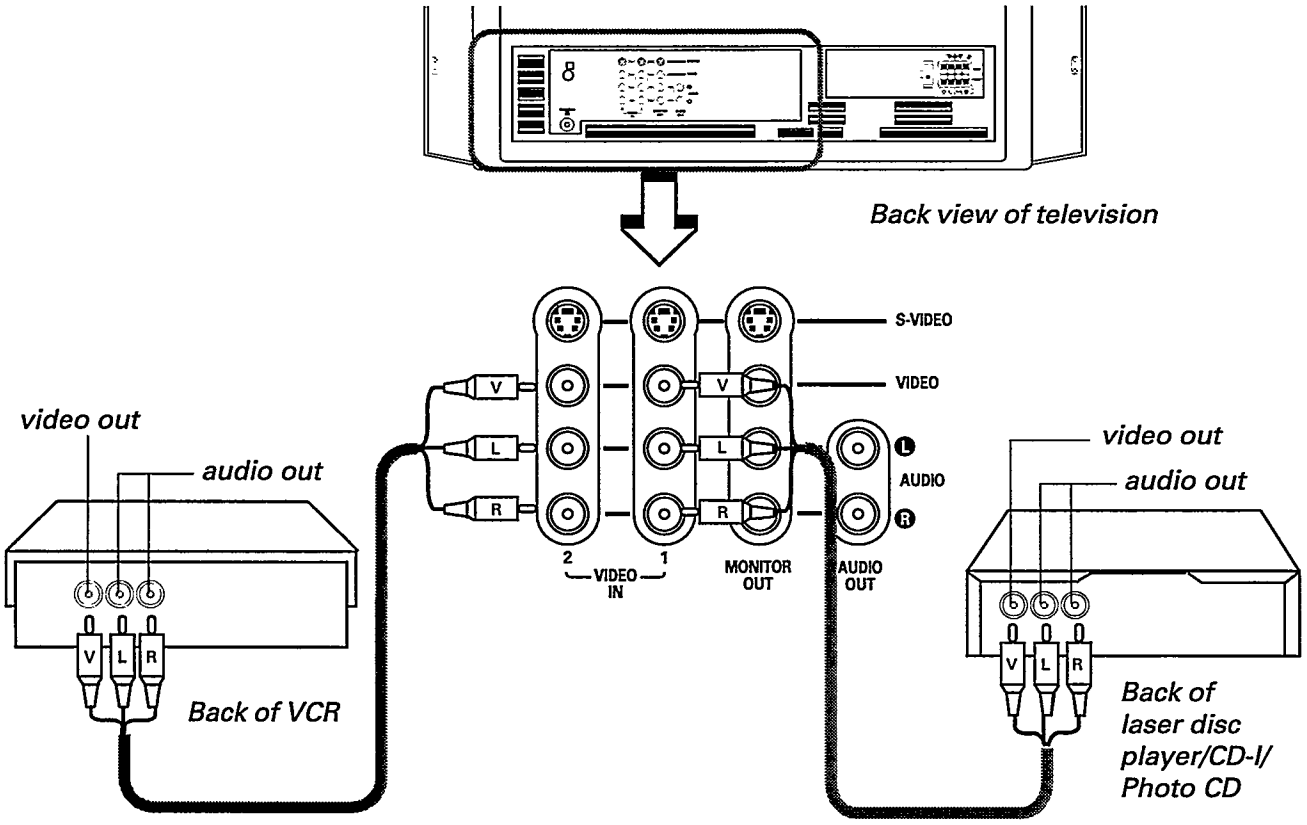


Button	Function
■	To stop movement of video tape.
◀◀	To rewind, or playback video tape in reverse at fast speed.
●	To record programme onto video tape.
▶▶	To advance, or playback video tape at fast speed.
▶	To playback video tape.

External Connections

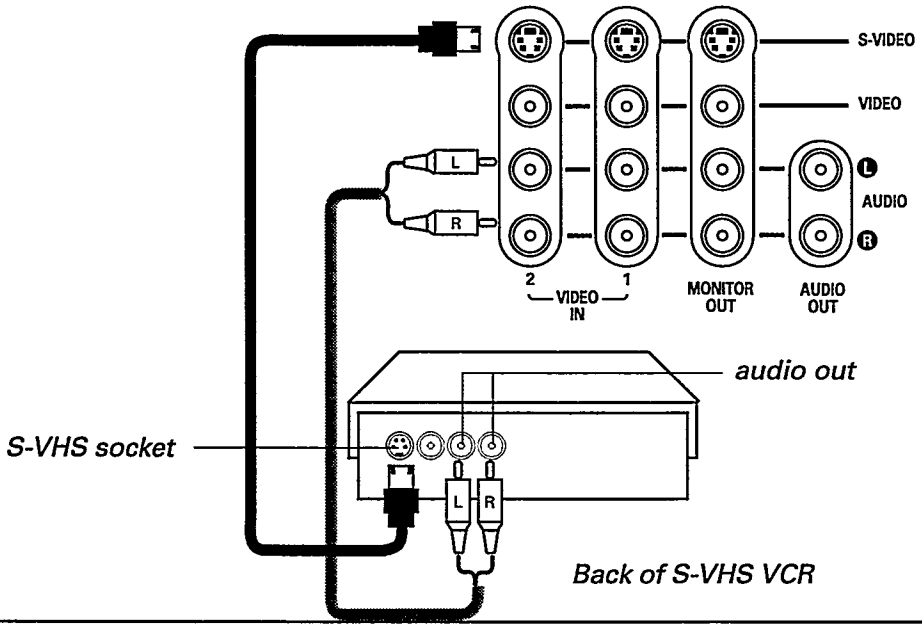
For playing back programmes from a VCR or Laser disc player on the television

Connect your peripheral equipment e.g. video cassette recorder (VCR), laser disc player etc. to the sockets at **VIDEO IN 1** and **2**. The programmes will appear in channels named AV 1 CVBS and AV 2 CVBS respectively. For mono equipment, you need not connect the **AUDIO R** (right) socket.



For playing back programmes from a S-VHS VCR on the television

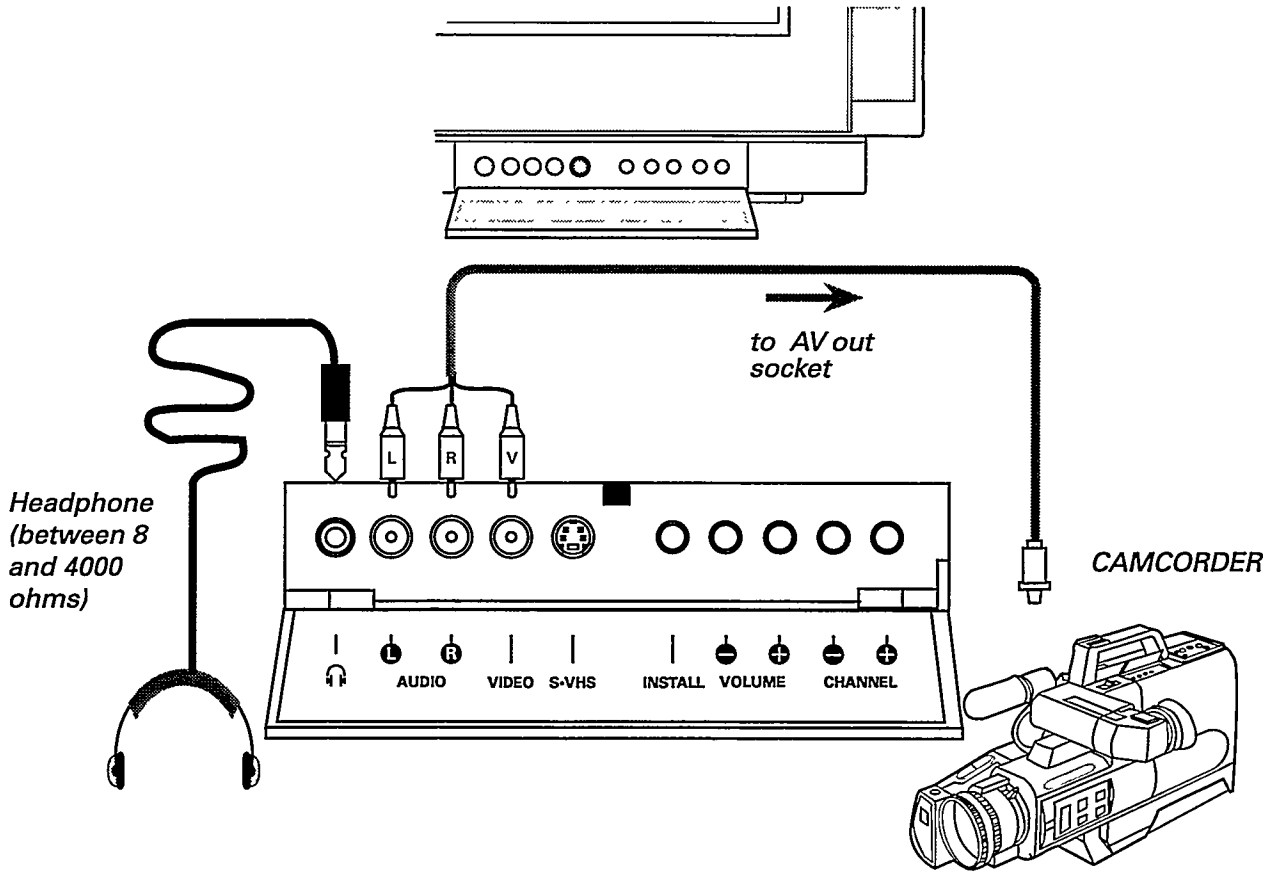
If you have a S-VHS VCR, connect up the **S-VIDEO** socket from the television to the S-VHS socket of the VCR to enhance the picture quality. The programmes will appear in a channel named AV 1 Y/C. Note : You need not connect the **VIDEO** socket from the television.



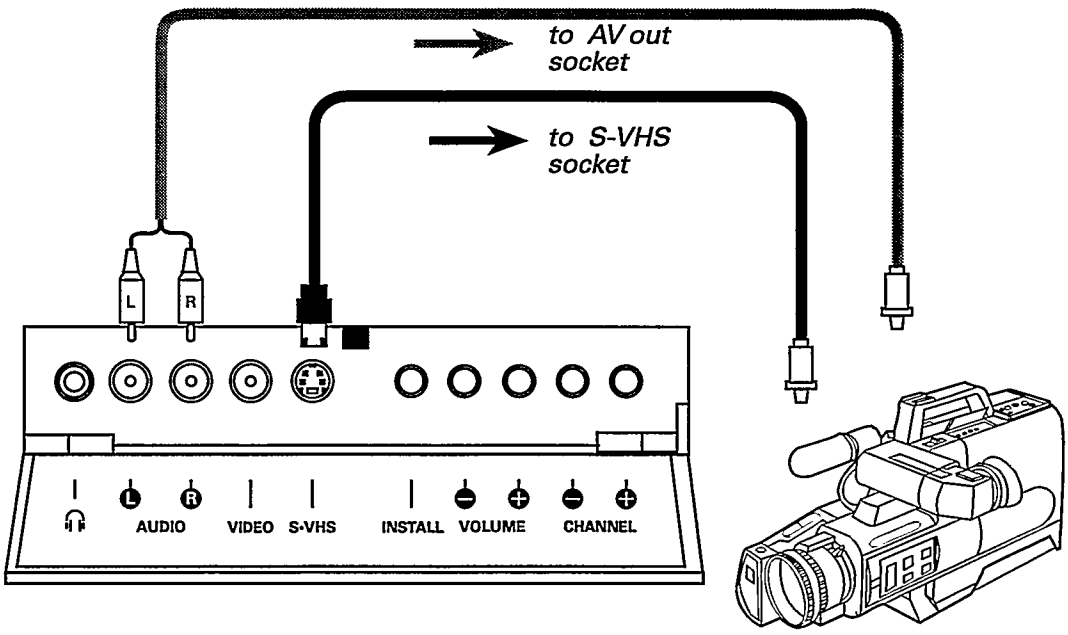
English

For playing back programmes from a Camcorder on the television

Connect the equipment to the sockets on the front of the television. The programmes will appear in a channel named FRONT CVBS. For mono equipment, you need not connect the **AUDIO R** (right) socket.

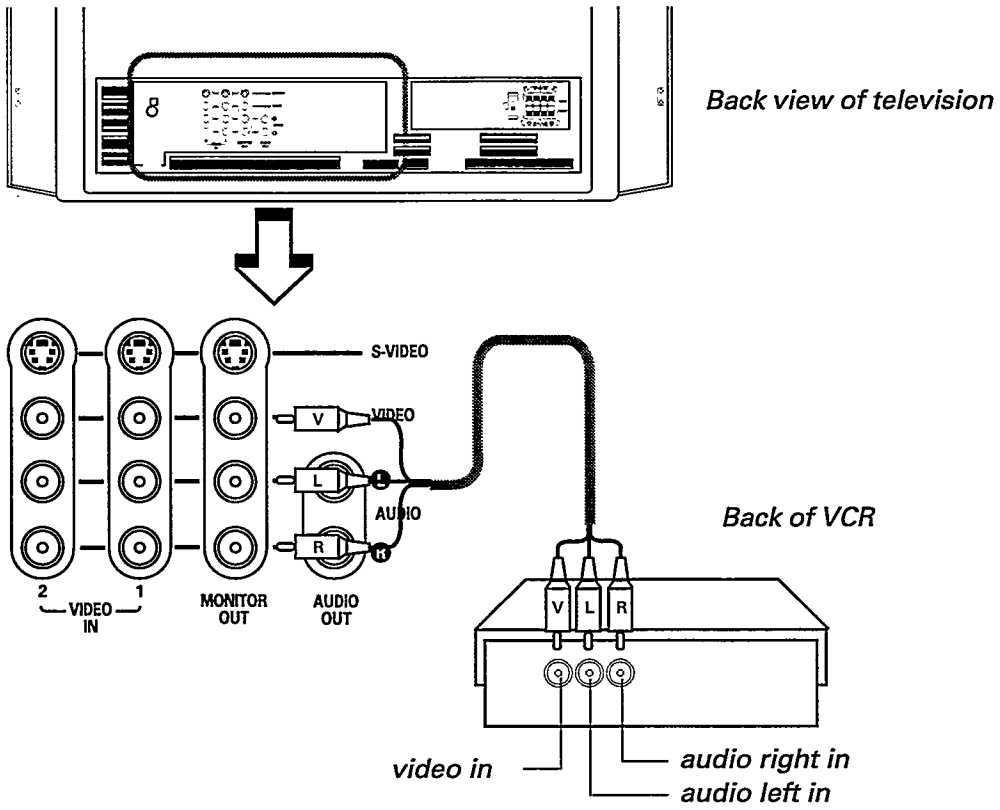


If you have a S-VHS Camcorder, connect up the **S-VHS** socket from the television to the S-VHS socket of the Camcorder to enhance the picture quality. The programmes will appear in a channel named FRONT Y/C. Note : You need not connect the **VIDEO** socket from the television.



Record programmes onto a video cassette recorder (VCR)

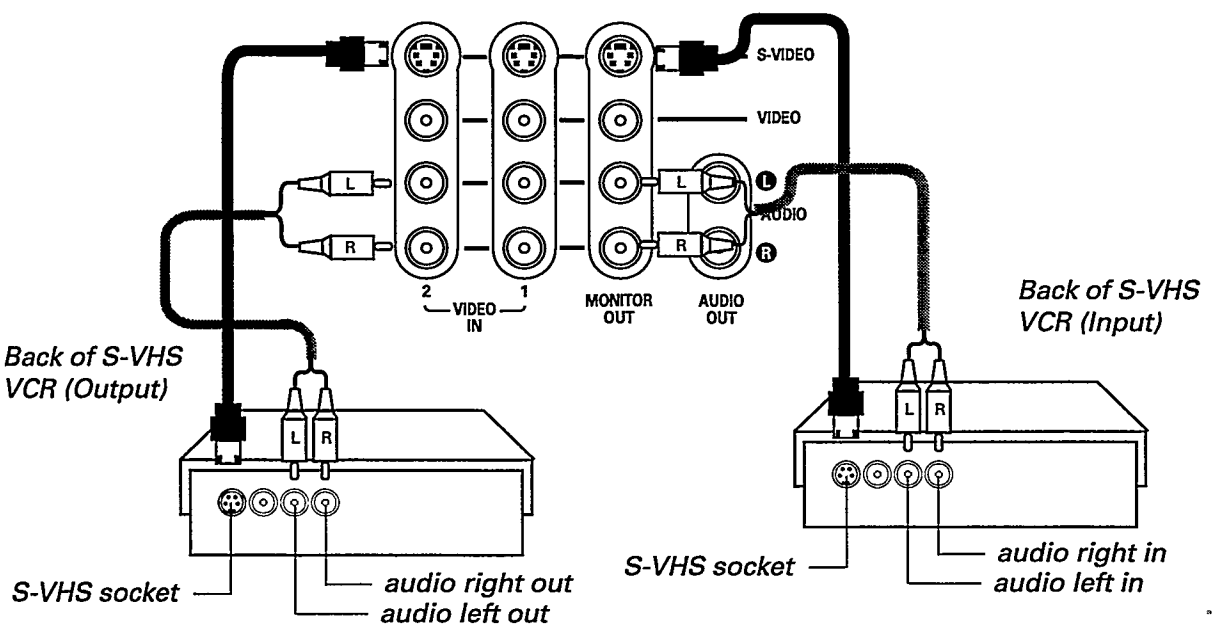
Connect your equipment to the sockets at **MONITOR OUT.** For mono equipment, you need not connect the **AUDIO R** (right) socket.



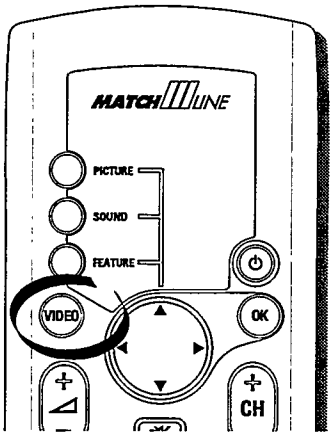
Record programmes from a S-VHS VCR to another S-VHS VCR

Connect up the **S-VIDEO** sockets from the television to both the Input and Output in order to enhance the picture quality.

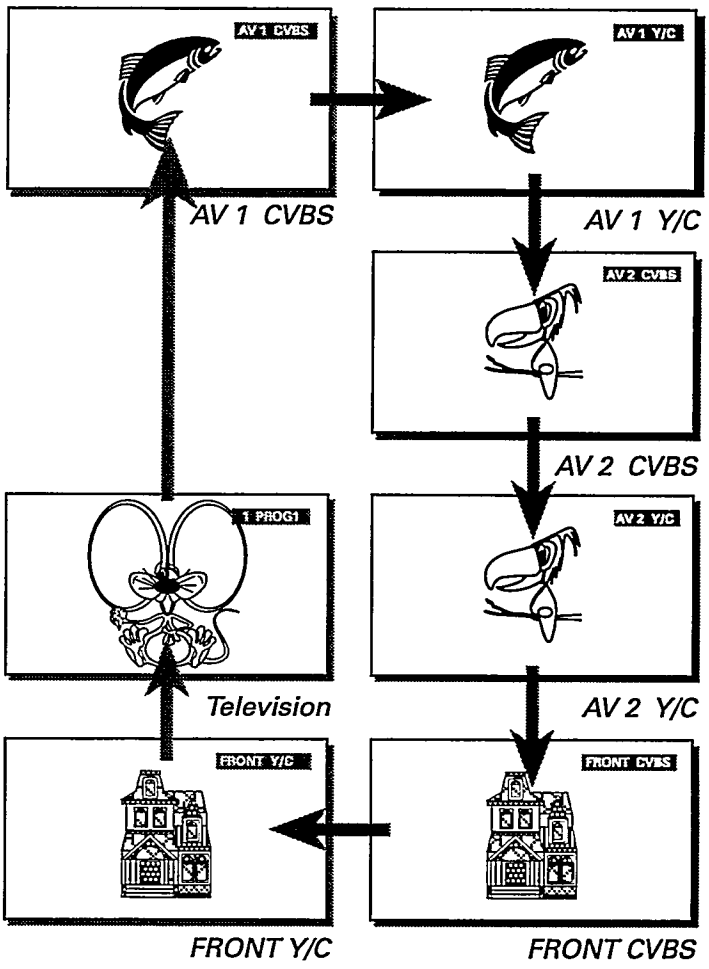
Note : You need not connect the **VIDEO** socket from the television.



View what you have connected to the external connections



Press **VIDEO** button repeatedly and select the screen you want.



Screen display

AV 1 CVBS : Select this if you wish to play back programmes from the equipment you have connected to the sockets at **VIDEO IN 1.**
Note : This is not selectable if the "Ghost Canceller" feature is switched "ON".

AV 1 Y/C : Select this if you wish to play back programmes from the equipment you have connected to the sockets at **VIDEO IN 1** (with **S-VIDEO** socket connected).

AV 2 CVBS : Select this if you wish to play back programmes from the equipment you have connected to the sockets at **VIDEO IN 2.**

AV 2 Y/C : Select this if you wish to play back programmes from the equipment you have connected to the sockets at **VIDEO IN 2** (with **S-VIDEO** socket connected).

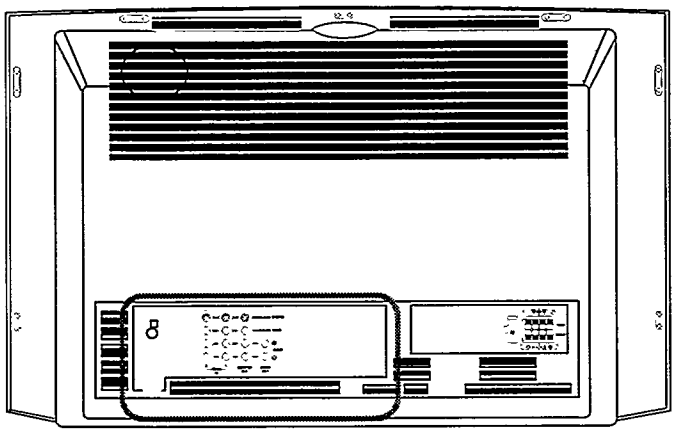
FRONT CVBS : Select this if you wish to play back programmes from the camcorder or computer game equipment you have connected to the sockets at the front of your television.

FRONT Y/C : Select this if you wish to play back programmes from the camcorder or computer game equipment you have connected to the sockets at the front of your television (with **S-VHS** socket connected).

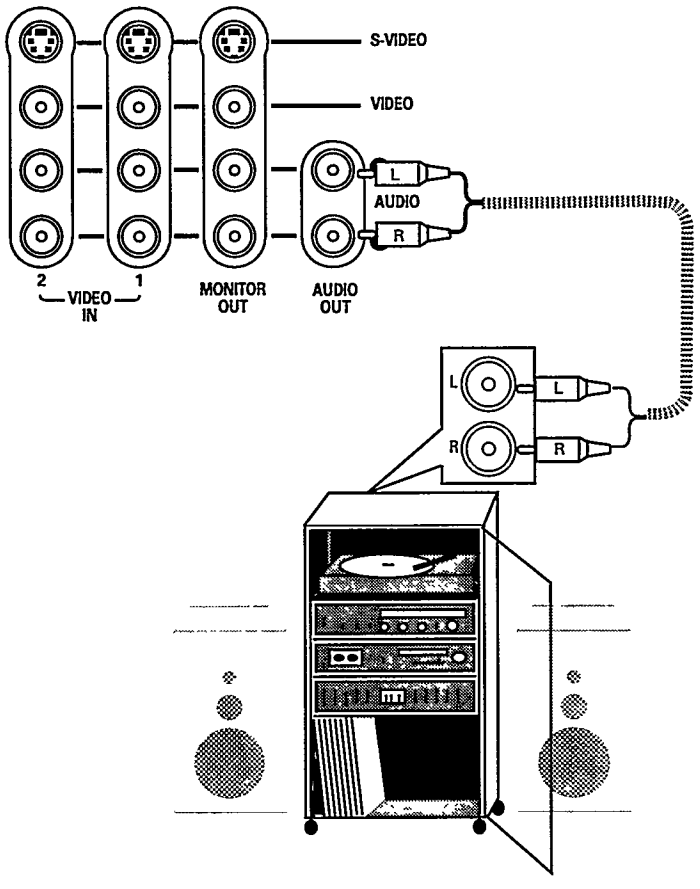
Television : Last viewed television programmes.

Enhance the sound of the television

Connect the **AUDIO OUT** sockets to an external amplifier.



Back view of television

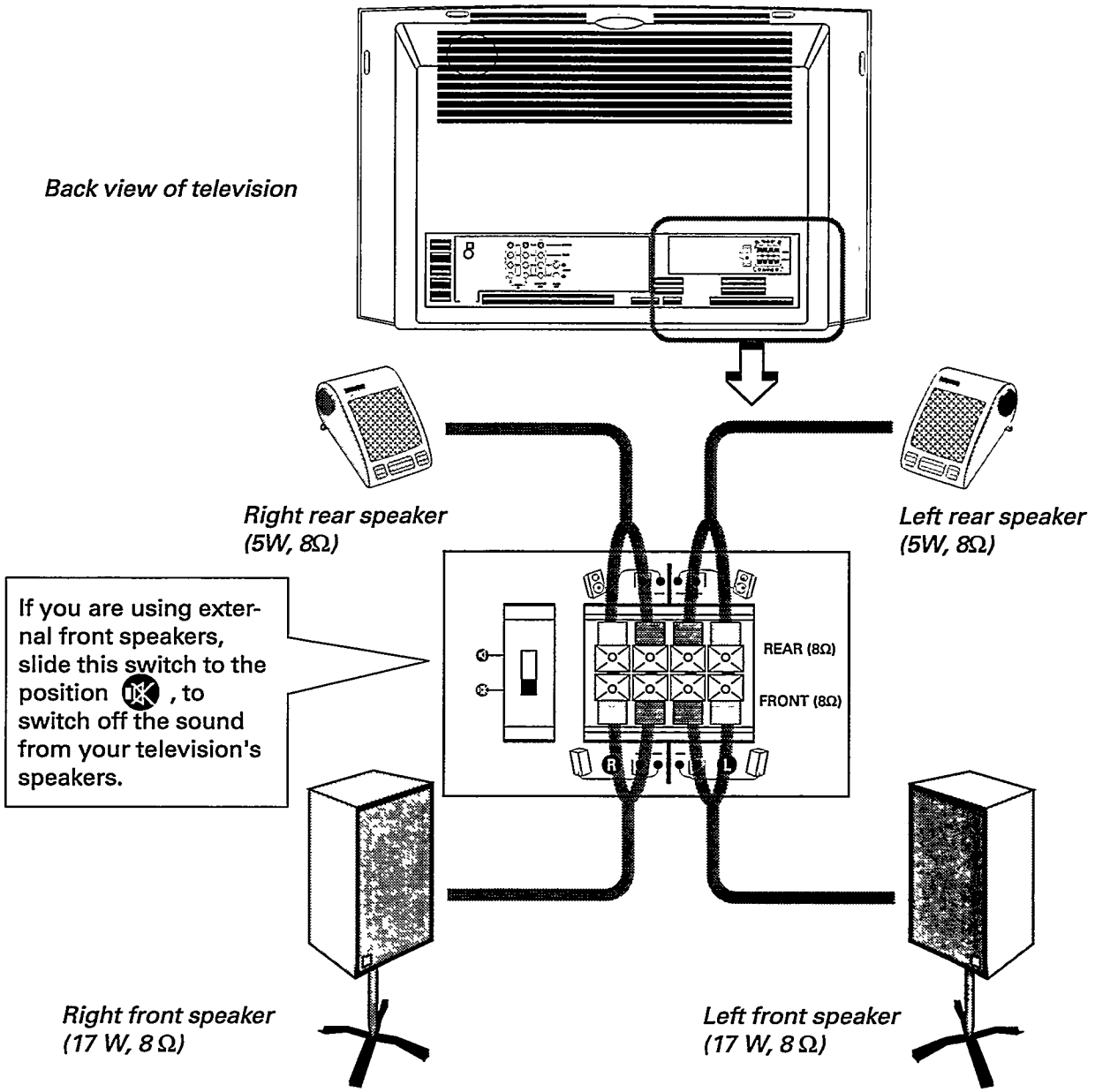


External amplifier

External speakers connections (optional)

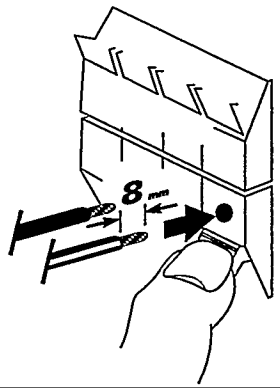
You may connect external rear and front speakers (not provided) to enhance the sound output of the television.

Note : Surround Sound speakers must be connected in pairs and to the rear speakers sockets.



How to connect the front and rear speakers

- Push down the connector clip (as shown).
- Insert the end of the red (black/white) into the red socket and the black wire into the black socket. Repeat the same for the other pair of wires.



Frequency tables

Table 1 — NTSC (Broadcast channels)

Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)
2	55.25	19	501.25	36	603.25	53	705.25	70*	807.25	88	115.25
3	61.25	20	507.25	37	609.25	54	711.25	71*	813.25	89	121.25
4	67.25	21	513.25	38	615.25	55	717.25	72*	819.25	90	127.25
5	77.25	22	519.25	39	621.25	56	723.25	73*	825.25	91	133.25
6	83.25	23	525.25	40	627.25	57	729.25	74*	831.25	92	139.25
7	175.25	24	531.25	41	633.25	58	735.25	75*	837.25	93	145.25
8	181.25	25	537.25	42	639.25	59	741.25	76*	843.25	94	151.25
9	187.25	26	543.25	43	645.25	60	747.25	77*	849.25	95	157.25
10	193.25	27	549.25	44	651.25	61	753.25	78*	855.25	96	163.25
11	199.25	28	555.25	45	657.25	62	759.25	79*	861.25	97	169.25
12	205.25	29	561.25	46	663.25	63	765.25	80*	876.25	98	217.25
13	211.25	30	567.25	47	669.25	64	771.25	81*	873.25	99	223.25
14	471.25	31	573.25	48	675.25	65	777.25	82*	879.25		
15	477.25	32	579.25	49	681.25	66	783.25	83*	885.25		
16	483.25	33	585.25	50	687.25	67	789.25	85	73.25		
17	489.25	34	591.25	51	693.25	68	795.25	86	89.25		
18	495.25	35	597.25	52	699.25	69	801.25	87	109.25		

* Not implemented at the time of printing.

Table 2 — NTSC (Cable channels)

Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)	Channel No.	Picture Freq. (MHz)
C1	73.25	C33	277.25	C65	469.25	C97	103.25
C2	55.25	C34	283.25	C66	475.25	C98	109.25
C3	61.25	C35	289.25	C67	481.25	C99	115.25
C4	67.25	C36	295.25	C68	487.25	C100	649.25
C5	77.25	C37	301.25	C69	493.25	C101	655.25
C6	83.25	C38	307.25	C70	499.25	C102	661.25
C7	175.25	C39	313.25	C71	505.25	C103	667.25
C8	181.25	C40	319.25	C72	511.25	C104	673.25
C9	187.25	C41	325.25	C73	517.25	C105	679.25
C10	193.25	C42	331.25	C74	523.25	C106	685.25
C11	199.25	C43	337.25	C75	529.25	C107	691.25
C12	205.25	C44	343.25	C76	535.25	C108	697.25
C13	211.25	C45	349.25	C77	541.25	C109	703.25
C14	121.25	C46	355.25	C78	547.25	C110	709.25
C15	127.25	C47	361.25	C79	553.25	C111	715.25
C16	133.25	C48	367.25	C80	559.25	C112	721.25
C17	139.25	C49	373.25	C81	565.25	C113	727.25
C18	145.25	C50	379.25	C82	571.25	C114	733.25
C19	151.25	C51	385.25	C83	577.25	C115	739.25
C20	157.25	C52	391.25	C84	583.25	C116	745.25
C21	163.25	C53	397.25	C85	589.25	C117	751.25
C22	169.25	C54	403.25	C86	595.25	C118	757.25
C23	217.25	C55	409.25	C87	601.25	C119	763.25
C24	223.25	C56	415.25	C88	607.25	C120	769.25
C25	229.25	C57	421.25	C89	613.25	C121	775.25
C26	235.25	C58	427.25	C90	619.25	C122	781.25
C27	241.25	C59	433.25	C91	625.25	C123	787.25
C28	247.25	C60	439.25	C92	631.25	C124	793.25
C29	253.25	C61	445.25	C93	637.25	C125	799.25
C30	259.25	C62	451.25	C94	643.25		
C31	265.25	C63	457.25	C95	91.25		
C32	271.25	C64	463.25	C96	97.25		

English

Specifications

Model no.	**32PW978A, 32PW978B**
Screen size	81 cm
Screen visible area Length Height Diagonal	 66.5 cm 37.5 cm 76.2 cm
Screen Format	16:9
Colour Transmission System	NTSC M (3.58–4.5), PAL M (3.58–4.5) and PAL N (3.58–4.5)
Playback	NTSC M, PAL M, PAL N and PAL B/G
Sound Transmission System	BTSC Stereo
Tuning channels	PLL
Antenna input	75 ohms co-axial
Video Connections Front sockets – Headphone Back sockets – Video In 1 – Video In 2 – Monitor Out – Audio out	 1 x S-VHS, 1 x Video, 2 x Audio Ø 3.5 mm 1 x S-Video, 1 x Video, 2 x Audio 1 x S-Video, 1 x Video, 2 x Audio 1 x S-Video, 1 x Video, 2 x Audio 2 x Audio
Audio Output Internal speakers – Squeeters – Tweeter – Subwoofer External speakers(not provided) – Front – Rear (Surround)	 2 x 9 W, 12 Ω at 10% THD 2 x 5 W, 8 Ω at 10% THD 1 x 15 W, 8 Ω at 10% THD 2 x 17 W, 8 Ω at 10% THD 2 x 5 W, 8 Ω at 10% THD
Main Voltage, Frequency	100-250 V ~, 50 / 60 Hz
Power Consumption	178 W
Dimensions Width Height Depth	 83.7 cm 54.4 cm 57.9 cm
Weight (Approx. and excluding packaging)	56 kg

Note : The specification is subjected to change without notification

English