
Introduction

Thank you for purchasing this television set.

This handbook has been designed to help you install and operate your TV set.

We would strongly recommend that you read it thoroughly.

We hope our technology meets entirely with your satisfaction.

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Installing your television set


1 Positioning the television set

Place your TV on a solid, stable surface, leaving a space of at least 5 cm around the appliance.

To avoid accidents, do not put anything on the set such as a cloth or cover, a container full of liquid (vase) or a heat source (lamp). The set must not be exposed to water.



2 Connections

- Insert the aerial plug into the  socket at the rear of the set.
- Insert the mains plug into a wall socket (220-240 V / 50 Hz).



2 Surround loudspeakers

You can connect, in option, 2 surround loudspeakers. For more information, see page 16.

3 Remote control

Insert the two R6-type batteries (supplied) making sure that they are the right way round.

Check that the mode selector is set to TV.


The batteries supplied with this appliance do not contain mercury or nickel cadmium. If you have access to a recycling facility, please do not discard your used batteries (if in doubt, consult your dealer). When the batteries are replaced, use the same type.



4 Switching on

To switch on the set, press the on/off key. A red indicator comes on and the screen lights up. Go straight to the chapter Quick installation on page 4.

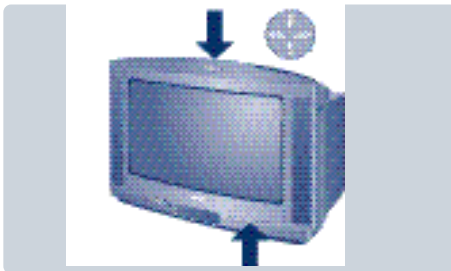


If the television remains in standby mode, press P  on the remote control.

The indicator will flashe when you use the remote control.




The keys on the TV set



The television set has 4 keys which are located on the front or the top of the set depending on the model.



The VOLUME - + (-  +) keys are used to adjust sound levels.

The PROGRAM - + (- P +) keys are used to select the required programmes.

To access the menus, simultaneously hold down the  - and  + keys. The PROGRAM - + keys may then be used to select an adjustment and the -  + keys to make that adjustment.

To exit from the menus, hold down the 2  - and  + keys.

Note: when the CHILD LOCK function is activated, these keys are unavailable (refer to FEATURES menu on page 8).

The remote control keys

List of programmes

To display/clear the list of programmes.

Use the keys to select a

programme and the key to display it.

The symbol is displayed alongside all programmes which are locked (p.10)

or if they are not locked.

Sleep timer

To select the length of time before the set automatically switches to standby (from 0 to 240 minutes)

Select EXT sockets

Press several times to select EXT1, EXT2 and EXT3, S-VHS2 and S-VHS3.

Mode selector (p. 15)

To activate the remote control in TV, VCR (video recorder) or DVD mode.

Smart sound controls

To access a series of settings: VOICE, MUSIC, THEATRE and return to PERSONAL

Menu

To display or exit from the menus

Cursor

These 4 keys are used to move within the menus or to have direct access to the 16:9 formats (p. 12).

Volume

To adjust the sound level

Mute

To disable or enable the sound.

Teletext features (p. 11)

Sound mode

To switch from STEREO to MONO or to choose between Dual I and Dual II for bilingual transmissions.

For TV sets fitted with NICAM reception, depending on the transmission, you can switch from NICAM STEREO to MONO or choose between NICAM DUAL I, NICAM DUAL II and MONO.

When the sound mode is switched to MONO, the indication is displayed in red.

Contrast +

To activate / de-activate the automatic contrast adjustment system (the dark areas are made darker whilst maintaining the detail).

Standby

To set the TV to standby mode. To switch the TV set on again, press P + or .

key not used

Numerical keys

For direct access to programmes. For a 2 digit programme number, the 2nd digit must be entered before the dash disappears.

Smart picture controls

To access a series of settings: RICH, NATURAL, SOFT, MULTIMEDIA and return to PERSONAL

Surround sound

To select the different surround modes (see p.9).

Selecting TV programmes

To move up or down a programme. The number, (the name) and the sound mode are displayed for a few seconds.

For some TV programmes the title of the programme appears at the bottom of the screen.

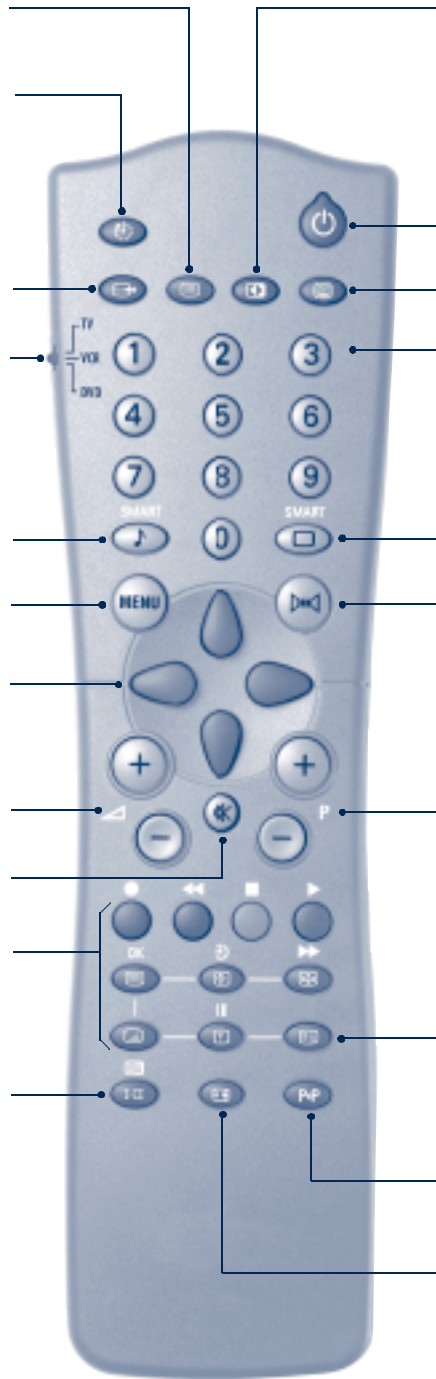
Screen information

To display / remove the programme number; the name (if it exists), the time, the sound mode and the time remaining on the timer. Hold down for 5 seconds to permanently display the programme number on the screen. The volume level and the smart control adjustments are then displayed each time they are used.

Previous programme

To access the previously viewed programme.

16:9 formats (p. 12)



Quick installation

The first time you switch on the television, a menu appears on the screen and the tuning starts automatically.



If the menu does not appear, hold down the - and + keys on the set for 5 seconds to start the tuning.

The operation takes several minutes.

A display shows the search status and the number of programmes found. When it has finished the menu disappears.

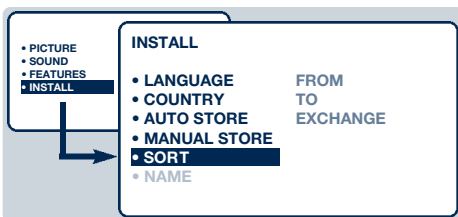
To exit or interrupt the search, press the key. If no programmes are found, refer to the chapter entitled Tips on p. 18.

- 1 If the transmitter or the cable network broadcasts the automatic sort signal, the programmes will be correctly numbered.
- 2 If not, the programmes found will be numbered in descending order starting at 99, 98, 97, etc. Use the SORT menu to renumber them.

Some transmitters or cable networks broadcast their own sort parameters (region, language, etc.). Where this is the case, make your choice using the keys and confirm with . See also: EasyLink function, page 7.

Sorting programmes

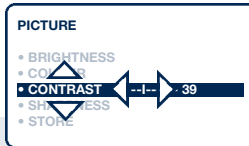
- 1 Press the key. The main menu is displayed.
- 2 Select INSTALL () , then press . The INSTALL menu appears.



- 3 Using the key, select SORT then press . The SORT menu appears. The FROM option is activated.
Note: this menu works as follows:
 - Change "FROM" (enter the current programme number),
 - "TO" (enter the new number),
 - EXCHANGE numbers" (the operation is carried out).

- 4 Select the programme you wish to renumber using or (0) to (9).
Example: to renumber programme 78 as 2 press (7) (8).
- 5 Select TO (using) and enter the new number with or (0) to (9) (for the example given, enter (2)).
- 6 Select EXCHANGE () key and press . The message EXCHANGED appears, the exchange takes place. In our example, programme 78 is renumbered as 2 (and programme 2 as 78).
- 7 Select the option FROM () key and repeat stages 4 to 6 as many times as there are programmes to renumber.
See also: EasyLink function, page 7.
- 8 To exit from the menus, press .

Using other menus



Choosing a language and country

- 1 Press the **(MENU)** key to display the main menu.
- 2 Select **INSTALL** (I), then press **(O)**.
The **INSTALL** menu appears.
The **LANGUAGE** option is activated.

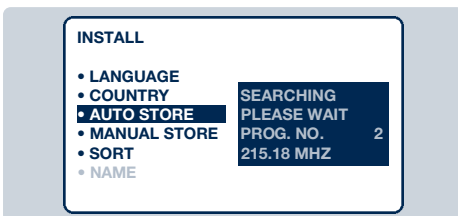


- 3 Press **(O)** to go into the **LANGUAGE** menu.
- 4 Select your language with the **(O)** keys.
The menu will appear in the chosen language.
- 5 Press **(O)** to exit the **LANGUAGE** menu.
- 6 Select the option **COUNTRY** and press **(O)**.
- 7 Select your country with **(O)** keys.
If your country does not appear in the list, select OTHER.
- 8 Press **(O)** to exit the **COUNTRY** menu.
- 9 To exit from the menus, press **(E)**.
See also: EasyLink function, page 7.

Automatic tuning

This menu allows you to automatically search for all the programmes available in your region (or on your cable network).

- 1 First carry out operations **1** to **8** above, then:
- 2 Press **(O)** once to select **AUTO STORE** then press **(O)**. The search begins.
After several minutes, the **INSTALL** menu reappears automatically.



- 3 If the transmitter or the cable network broadcasts the automatic sort signal, the programmes will be correctly numbered.
- 4 If not, the programmes found will be numbered in descending order starting at **99, 98, 97**, etc.
Use the **SORT** menu to renumber them.
*Some transmitters or cable networks broadcast their own sort parameters (region, language, etc.). Where this is the case, make your choice using the **(O)** keys and confirm with **(O)**.*
*To exit or interrupt the search, press the **(MENU)** key. If no picture is found, refer to the chapter entitled Tips on p. 16.*
See also: EasyLink function, page 7.
- 5 To exit from the menus, press **(E)**.

Manual tuning

This menu allows you to store the programmes one by one.

- 1 Press **MENU**.
- 2 Select **INSTALL** (V), then press **OK**.
The **INSTALL** menu appears.
- 3 Select **MANUAL STORE** (V) then press **OK**.
The menu appears :



- 4 Press **OK** to go to the **SYSTEM** menu. Use **UP** to choose **EUROPE** (automatic detection*) or manual detection with **WEST EUR** (standard BG reception), **EAST EUR** (standard DK reception), **UK** (standard I reception) or **FRANCE** (standard LL'). Then press **OK** to exit from the menu.

* Except for France (standard LL'): select the option **FRANCE**.

- 5 Select **SEARCH** and press **OK**.
The search begins. As soon as a programme is found, the search will stop. If you know the frequency of the programme required, enter its number directly using the **0** **9** keys and go to step **7**.

If no programme is found, refer to the *Tips* chapter on page 18).

- 6 If reception is un-satisfactory, select **FINE TUNE** and hold down **LEFT** or **RIGHT** key.
- 7 Select **PROG. NO** (programme number) and use the **LEFT** **RIGHT** or **0** to **9** keys to enter the desired number.
- 8 Select **STORE** and press **OK**. The message **STORED** appears. The programme is stored.
See also: *EasyLink* function, page 7.
- 9 Repeat steps **5** to **8** for each programme to be stored.

To exit: press the **EXIT** key.

Programme name

You may, if you wish, give a name to the first 40 programmes (from 1 to 40).

- 1 Press **MENU**.
- 2 Select **INSTALL** (V), then press **OK**.
The **INSTALL** menu appears.
- 3 Press **DOWN** 5 times to select **NAME** (concealed at the bottom of the screen), then press **OK**.
The menu appears :



- 4 Select the programme you wish to name using the keys **0** **9** or **- P +**.

Note: at the time of installation, the programmes are automatically named when the identification signal is transmitted.

- 5 Use the keys **LEFT** **RIGHT** to move within the name display area (5 characters).
- 6 Use keys **UP** **DOWN** to choose the characters.
- 7 Press **MENU** when the name has been entered.
The programme name is stored.
See also: *EasyLink* function, page 7.
- 8 Repeat steps **4** to **7** for each programme to be named.
- 9 To exit from the menus, press **EXIT**.

Adjusting the picture

- 1 Press **MENU** then **▷**.

The PICTURE menu appears :



- 2 Use **◂◃** keys to select a setting and **◂◃** keys to adjust.

Note: the menu is a scroll-down menu.

*Keep the key **◂** held down to access the settings hidden at the bottom of the screen.*

- 3 Once the necessary adjustments have been made, select the option STORE and press **▷** to store them.
- 4 To exit from the menus, press **EXIT**.

Description of the settings:

- **BRIGHTNESS**: alters the brightness of the image.
- **COLOUR**: alters the colour intensity.
- **CONTRAST**: alters the variation between light and dark tones.
- **SHARPNESS**: alters the crispness of the image.
- **STORE**: stores the picture settings.
- **COLOUR TEMP** (colour temperature): adjusts the colour temperature of the picture. Three options are available here: COOL (blue white), NORMAL (balanced) or WARM (red white).
- **NR** (Noise Reduction): alleviates fuzziness (snowy picture). This setting is useful when reception is difficult

Rotating the picture

(only available on certain versions)

Larger screens are sensitive to variations in the earth's magnetic field. This setting makes it possible to compensate for this phenomenon.

- 1 Press **MENU**.
- 2 Select **FEATURES** (**ⓧ**) and press **▷**.

The **FEATURES** menu appears.

- 3 Use **◂** key to select **ROTATION** and use **◂◃** keys to alter the angle of the image.
- 4 Press **EXIT** to exit from the menus.

EasyLink function

If the set is connected (by the EXT2 socket) to a video equipped with the EasyLink function, the language, country and channels found are automatically transmitted to the video recorder at the time of installation.

A message is displayed on-screen during loading. The list of video recorder channels is then the same as those of the set.

You must first check in the menu that the Easylink function is activated:

- 1 Press **MENU** key.
- 2 Select **OPTIONS** (**ⓧ**) and press **▷**. The **OPTIONS** menu is displayed.
- 3 Use **◂** key to select **EASY LINK** and press **▷** to set it to ON. If your video recorder is not equipped with this function, set to OFF.
- 4 Press **EXIT** to exit the menus.

The EASY LINK setting is set to ON by default.

Adjusting the sound

- 1 Press **MENU**, select the **SOUND** option (V) and press **OK**. The **SOUND** menu appears :



- 2 Use **UP** and **DOWN** keys to select a setting and keys **LEFT** and **RIGHT** to adjust.
Note: to access the **AVL**, **CORDLESS** and **DELAY** settings (hidden at the bottom of the screen) hold down **DOWN** key. The **CORDLESS** and **DELAY** settings are only available if surround loudspeakers are connected to the TV set. The **DELAY** setting only appears in **DOLBY PRO LOGIC** and **HALL SURROUND** modes.
- 3 Once the necessary adjustments have been made, select the option **STORE** and press **OK** to store them.
- 4 To exit from the menus, press **EXIT**.

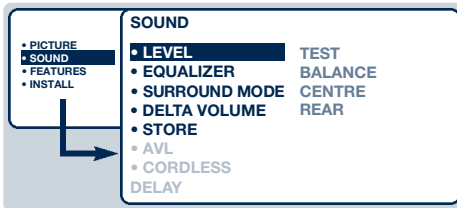
Description of the settings:

- **LEVEL:** to balance the sound between the different speakers (see below).
- **EQUALIZER:** to adjust the sound tone (from bass: 120 Hz to treble: 10 kHz).
- **SURROUND MODE:** to select the different surround modes (see next page).
- **DELTA VOLUME (volume difference):** allows you to compensate for the volume differences between the different programmes or the **EXT** sockets. This setting is available for programmes 1 - 40 and the **EXT** sockets.
- **STORE:** stores the sound settings.
- **AVL (Automatic Volume Leveller):** automatic volume control used to avoid sudden increases in volume, particularly when changing programmes or during advertisements.
- **CORDLESS:** to adjust the different parameters of the cordless surround speakers (see p. 17).
- **DELAY:** to adjust the delay of surround effect on the rear loudspeakers (31 is the default value).

Adjusting the sound level

This menu allows you to balance the sound between the different speakers.

- 1 Press **MENU**, select **SOUND** (V) and press **OK**. The **SOUND** menu appears :



- 2 Select **TEST** and press **OK** to set it to **ON**. A continuous sound is emitted in turn from each channel : left, right, centre and rear

(depending on the selected surround mode).

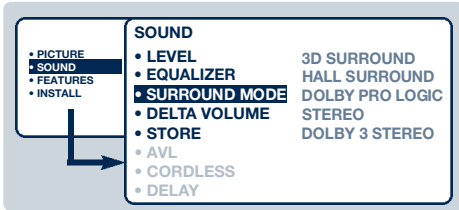
Remark : the rear channel only appears if surround speakers are connected to the TV set. To change the surround mode, press the **PHONO** key.

- 3 Select **BALANCE**, **CENTRE** or **REAR** and use the **LEFT** and **RIGHT** keys to adjust the level of each channel independently. The sequence stops while the level is being changed and then automatically starts up again.
- 4 To stop the test, press **MENU**.
Levels may also be adjusted without using the test signal.
- 5 To exit from the menus, press **EXIT**.

Surround modes

This menu allows you to select the different surround modes.

- 1 Press **Ⓜ**, select **SOUND** (**Ⓛ**) and press **Ⓞ**. The **SOUND** menu appears.
- 2 Select **SURROUND MODE** and press **Ⓞ**. The menu appears :



- 3 Use the **Ⓛ** keys to select the relevant surround mode : **STEREO**, **DOLBY 3 STEREO**, **3D SURROUND**, **HALL SURROUND** and **DOLBY PROLOGIC**. For each setting, the active loudspeakers are displayed on screen.

Remark : the **DOLBY PRO LOGIC** and **HALL SURROUND** modes are only available if surround loudspeakers are connected to the TV set.

- 4 To exit from the menus, press **Ⓜ**. This TV set is also equipped with automatic switching which will select the correct surround mode, provided the specific signals are transmitted with the programmes. This automatic format can also be modified manually with the **Ⓜ** key.

Description of the different surround modes



You have a direct access to the surround modes with the **Ⓜ** key

Stereo

The sound is reproduced on the left and right loudspeakers of the TV set.

Dolby 3 Stereo (with stereo source)

The sound is distributed over the left, right and centre loudspeakers. This mode is not recommended for mono transmissions (only the central channel is used).

Hall Surround (with mono or stereo source)

The sound is reproduced on the left, right and rear loudspeakers, creating a "Hall Surround" ambient effect. This mode is recommended for broadcasts that are not encoded in Dolby Surround if you wish to use a rear channel.

This mode is only available when surround loudspeakers are connected to the TV set.

3D Surround (optimal with Dolby Surround source)

This mode enables you to experience the effect of Dolby Pro Logic without the need of having rear speakers connected or activated. The sound is reproduced on the left, right and centre loudspeakers giving the impression of a rear surround effect.

Dolby Pro Logic * (with Dolby Surround sound source)

The left, right, centre and rear speakers reproduce the Dolby Pro Logic sound. This mode is used when a film or programme has been recorded or encoded in Dolby Surround sound. These films or programmes are always indicated by the symbol : **Ⓜ** **DOLBY SURROUND**.

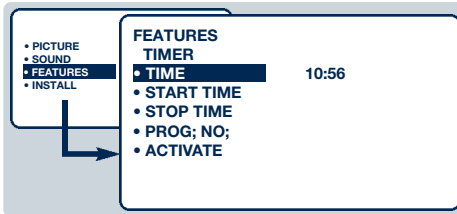
The **DOLBY PRO LOGIC** mode is only available when surround loudspeakers are connected to the TV set. This mode is not recommended for mono transmissions (only the central channel is used).

"Dolby" and the double-D symbol **Ⓜ** are trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories Licensing Corporation.

Timer function

This menu allows you to use your TV as an alarm clock.

- 1 Press **MENU**.
- 2 Select **FEATURES** (V) and press **OK** twice. The **TIMER** menu appears :



- 3 Press **OK** to enter and exit the sub-menus and use keys **UP** and **DOWN** to adjust:
- 4 **TIME**: enter current time.
Note: the time is updated automatically each time the set is switched on using teletext information taken from programme 1. If programme 1 does

not have teletext, the update will not take place.

- 5 **START TIME**: enter the start time.
- 6 **STOP TIME**: enter the stop time.
- 7 **PROG; NO;**: enter the number of the programme required.
- 8 **ACTIVATE**: you can set the alarm to be activated:
 - **ONCE ONLY** for a one-off alarm,
 - **DAILY** for a daily alarm or
 - **STOP** to cancel.
- 9 Press **EXIT** to set the TV to standby. It will automatically switch on at the time programmed. If you leave the TV switched on, it will only change programme at the time indicated.

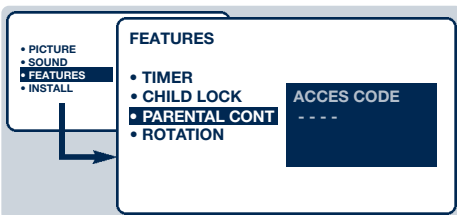
The combination of the CHILD LOCK and TIMER functions may be used to limit the length of time your television is in use, for example, by your children.

Locking the set

You can bar access to certain programmes or completely lock the set by locking the keys.

Locking programmes

- 1 Press **MENU**.
- 2 Select **FEATURES** (V) and press **OK**.
- 3 Select **PARENTAL CONT.** (V) and press **OK**.



- 4 Enter your confidential access code. The first time, enter the code 0711 then confirm by re-entering 0711. The menu appears.
- 5 Press **OK** to go into the menu.
- 6 Use keys **UP** and **DOWN** to select the required programme and confirm with **OK**. The symbol **i** is displayed alongside the programmes or sockets that have been locked.
- 7 Press **EXIT** to exit.
To watch a programme which has been locked you will now need to enter the confidential

code; otherwise the screen will remain blank.

The INSTALL menu access is also locked.

Caution: in the case of encrypted programmes which use an external decoder, it is necessary to lock the corresponding EXT socket.

To unlock all programmes

Repeat stages **1** to **4** above, then select **CLEAR ALL** and press **OK**.

To change the confidential code

Repeat stages **1** to **4** above, then:

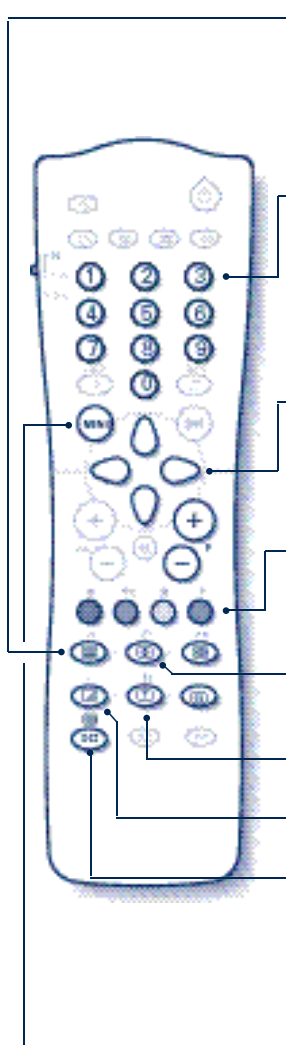
- 5 Select **CHANGE CODE** and enter your own 4-digit number.
- 6 Confirm by entering it again. Your new code will be stored.
- 7 Press **EXIT** to exit from the menus.
If you have forgotten your confidential code, enter the universal code 0711 twice.

Locking the keys

- 1 Press **MENU**, select **FEATURES** (V) and press **OK**.
- 2 Select **CHILD LOCK** (V) and press **OK** to set the lock to ON.
- 3 Switch off the set and put the remote control out of sight.
The set cannot be used (it can only be switched on using the remote control).
- 4 To cancel: switch **CHILD LOCK** to OFF.

Teletext

Teletext is an information system, broadcast by certain channels, which can be read like a newspaper. It also provides subtitles for people with hearing difficulties or those who are unfamiliar with the language in which a particular programme is being broadcast (cable networks, satellite channels, etc.).



Switch teletext on/off
To call up or exit from teletext. When first pressed, the main index page appears with a list of the items available. Each page has a corresponding 3-figure number.
If the selected channel does not broadcast teletext, 100 will appear and the screen will remain blank (in this case, exit from teletext and choose another channel).

Selecting a teletext page
Use keys 0 to 9 or Δ or \ominus P \oplus to enter the page number required. For example: for page 120, press 1 2 0. The number is displayed in the top left-hand corner; the page counter starts searching and the page is displayed. Repeat the procedure to consult another page.
If the counter continues searching, this means that the selected page is not broadcast. Choose another number.

Direct selection of sub-pages
Certain pages contain sub-pages (for example, page 120 contains sub-pages 1/3, 2/3 and 3/3). If this is the case, the page number is displayed in green, preceded by the symbol \blacktriangleright , \blacktriangleleft or $\blacktriangleleft\blacktriangleright$. Use the keys \circ \circ to directly access the sub-pages of your choice.

Direct access to subject headings
Coloured zones are displayed at the bottom of the screen. The 4 coloured keys give access to the corresponding subjects or pages.
The coloured zones flash when the subject or the page is not yet available.

Page enlargement
Press this key to display the upper, then lower part of the screen, and then to return to the normal page size.

Reveal
Use this key to reveal/conceal hidden information (answers to puzzles).

Overlaying text on the TV picture
To activate or deactivate screen overlay.

Double page teletext
To activate or deactivate the double page teletext display mode. The active page is displayed on the left and the following page is displayed on the right. Press E1 if you want to hold a page (i.e. the contents page). The active page is then displayed on the right. To return to normal mode, press I-II .

Favourite pages
For teletext programmes 1 to 40, you can store 4 favourite pages which you can then access via the coloured keys (red, green, yellow, blue).

- 1 Press MENU .
- 2 Enter the number of the page required.
- 3 Press E1 then the coloured key of your choice. The page is stored.
- 4 Repeat steps 2 and 3 for the other coloured keys.
- 5 From now on, when you consult teletext, your favourite pages appear in colour at the bottom of the screen.
To get back to the normal subject headings, press MENU .
To remove these settings, hold E1 down for 5 seconds.

16:9 Formats

The pictures you receive may be transmitted in 16:9 format (wide screen) or 4:3 format (conventional screen). 4:3 pictures sometimes have a black band at the top and bottom of the screen (letterbox format). This function allows you to optimise the picture display on screen.

Automatic switching

This TV set is also equipped with automatic switching which will select the correct-screen format, provided the specific signals are transmitted with the programmes.

This automatic format can also be modified manually.

Using the different screen formats



Press the  key (or ) to select the different modes:

4:3, ZOOM 14:9, ZOOM 16:9, SUBTITLE ZOOM, SUPER ZOOM and WIDE SCREEN.

You can also access these settings with key .





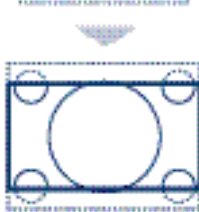
4:3 Mode

The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture. The picture may be progressively enlarged using the   keys.





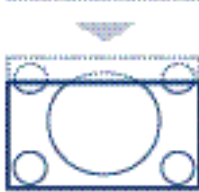
ZOOM 14:9 Mode

The picture is enlarged to 14:9 format, a thin black band remains on both sides of the picture. The   keys allow you to compress vertically the image to view the top or the bottom of the picture (subtitles).





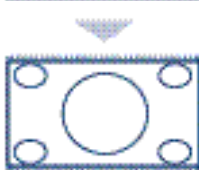
ZOOM 16:9 Mode

The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures which have black bands at the top and bottom (letterbox format). Use the   keys if you wish to display the top or the bottom of the picture.





SUBTITLE ZOOM Mode

This mode is used to display 4:3 pictures using the full surface of the screen leaving the sub-titles visible. Use the   keys to increase or decrease the section at the bottom of the picture.



SUPERWIDE Mode

This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture. The   keys allow you to move the image up or down.



WIDE SCREEN Mode

This mode restores the correct proportions of pictures transmitted in 16:9 using full screen display.

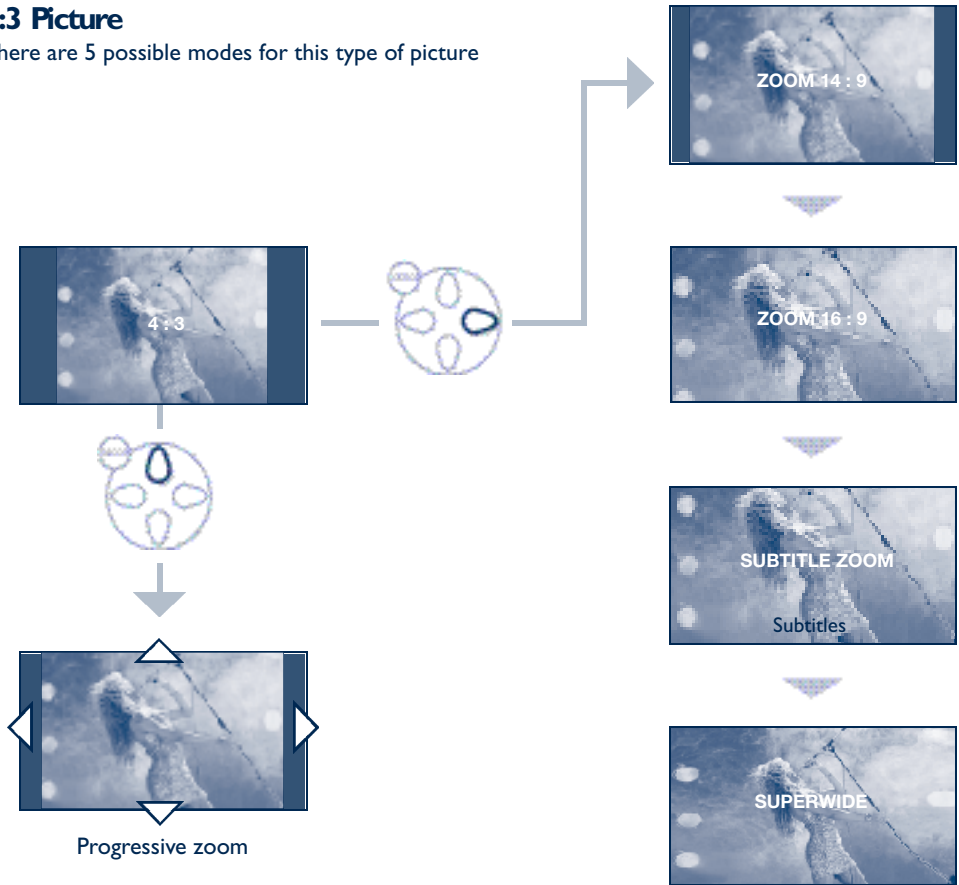
Note: If you display a 4:3 picture in this mode, it will be enlarged horizontally.

Selecting the correct mode

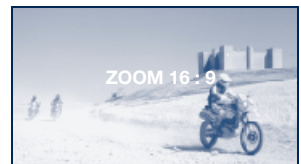
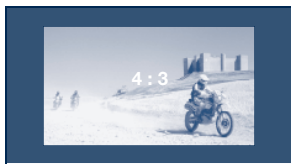
Different modes can be selected to suit different picture formats, use the following diagrams as a guide to which mode to use.

① 4:3 Picture

There are 5 possible modes for this type of picture



② 4:3 Picture Letterbox



③ 16:9 Picture



Connecting peripheral equipment

The television has 2 external sockets situated at the back of the set (EXT1 and EXT2).

The EXT1 socket has audio and video inputs/outputs and RGB inputs.

The EXT2 socket has audio and video inputs/outputs and S-VHS inputs.

Video recorder



Video recorder (only)

Carry out the connections featured opposite. Use a good quality euroconnector cable.

If your video recorder does not have a euroconnector socket, the only connection possible is via the aerial cable. You will therefore need to tune in your video recorder's test signal and assign it programme number 0 (refer to manual store, p. 6).

To reproduce the video recorder picture, press 0.

Video recorder with decoder

Connect the decoder to the second euroconnector socket of the video recorder. You will then be able to record scrambled transmissions.

Other equipment



Satellite receiver, decoder, CDV, games, etc.

Carry out the connections featured opposite.

To optimise picture quality, connect the equipment which produces the RGB signals (digital decoder, games, etc.) to EXT1, and the equipment which produces the S-VHS signals (S-VHS and Hi-8 video recorders, certain DVD drives) to EXT2 and all other equipment to either EXT1 or EXT2.

Amplifier




To connect to a hi-fi system, use an audio connection cable and connect the "L" and "R" outputs on the TV set to the "AUDIO IN" "L" and "R" input on your hi-fi amplifier.

The surround sound output can be used to connect active loudspeakers to reproduce the rear surround effect.

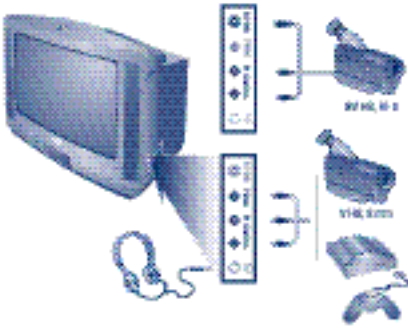


To select connected equipment


Press the  key to select EXT1, EXT2, S-VHS2 (S-VHS signals from the EXT2 socket) and EXT3 or S-VHS3 for connections on the front panel.

Most equipment (decoder, video recorder) carries out the switching itself.

Connecting other appliances






Carry out the connections featured opposite.

Using the  key, select EXT3 for a VHS or 8mm camcorder and S-VHS3 * for an S-VHS or Hi-8 camcorder.

* Only available on certain versions.

For a mono set, connect the sound signal to the AUDIO L (or AUDIO R) input. The sound automatically comes out of the left and right speakers of the set.

Headphones

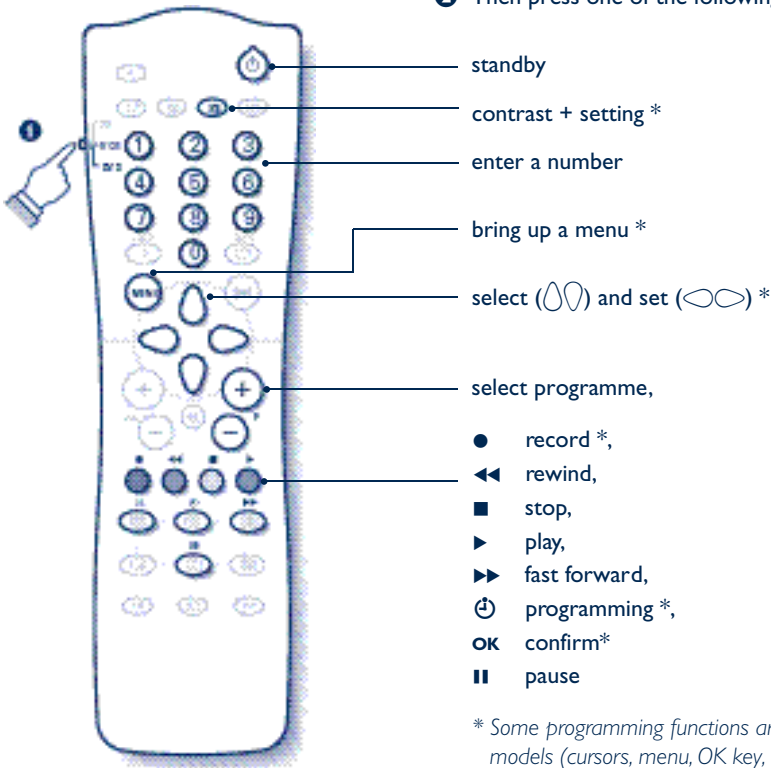
The   keys allow you to adjust the volume on the headphones and on the set. Press  if you want to cut off the sound on the set.



The headphones must have an impedance of between 32 and 600 ohms.

TV / VCR / DVD mode selector

The remote control allows you to control the main functions of your video recorder or DVD.

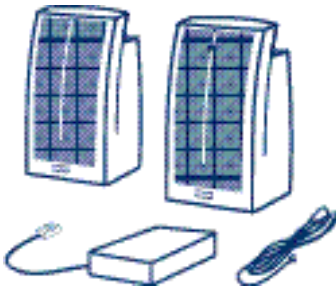
- 1 Set the switch on the side of the remote control to the required mode: TV, VCR (video recorder) or DVD.
- 2 Then press one of the following keys:



* Some programming functions are not available on all models (cursors, menu, OK key, etc.). For video recorders equipped with the Easylink function: when the set is on standby, pressing the  or  key once switches it on automatically. The remote control is compatible with all the video recorders in our range as well as models which use the RC5 signalling standard.

Wireless surround speaker system

The television can be equipped in option with a wireless surround speaker system (reference AD902W). With this system, the DOLBY PRO LOGIC and HALL SURROUND modes are now available (see p. 9). For more informations about this system, contact your dealer. You can also connect active loudspeakers (see p.14).



This system include :

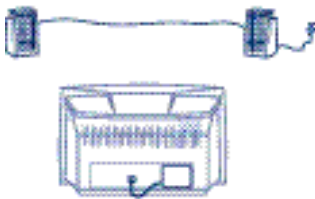
- a wireless RF transmitter to be clicked to the back of the TV,
- an active loudspeaker, including the RF receiver, the mains supply, a power switch, a connector clip and a channel selector located on the underside,
- a passive loudspeaker to be connected to the active loudspeaker,
- a speaker cable.

Installation of the wireless system Philips

AD902W



- 1 After switching off the television, connect the RF transmitter to the connector located on the back of the set. Then click the module to the back of the TV as shown opposite.



- 2 Dispose the 2 loudspeakers at the rear and on either side of the listener. Connect the active to the passive loudspeaker with the supplied cable, according to the polarity (the + on the + and the - on the -). Connect the active loudspeaker to the mains (220-240 V / 50 Hz) with the mains cable.



- 3 At the bottom of the active loudspeaker, set the slide channel to channel 1. Switch on the active speaker with the power switch. The indicator at the front of the active speaker lights up in red when the speaker is in standby and in green when there is a sound transmission. It turns back to red (standby) when the tv is switched off or when the rear channel is not used (in the case of STEREO, 3 STEREO and 3D SURROUND modes).

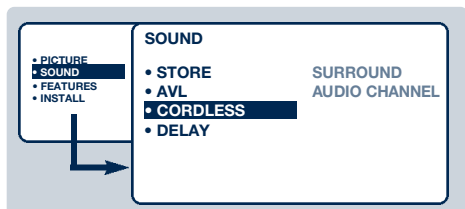
You have now to proceed to the surround speaker adjustments in the TV menus (see next page).

Adjusting the surround speakers

To use the surround speakers, you have first to proceed to the following adjustments :

Remark : these menus are only available when surround speakers are connected to the set.

- 1 Switch on the television.
- 2 Press the **MENU** key.
- 3 Select **SOUND** (V) and press **▷**.
- 4 Select **CORDLESS** (V) (hidden at the bottom of the screen) and press **▷**. The menu appears:



- 5 Set **SURROUND** to **ON** to activate the sound RF transmission.
- 6 Select **AUDIO CHANNEL** (V) and select the same channel as you selected on the active

loudspeaker (channel 1 has been selected as the factory default). If you should get interferences from external RF equipment (such a wireless headphone, mobile phone, ...), it may be necessary to shift to another channel. In practice, only 2 or 3 channels are available because a step of at least 2 channels are necessary to have enough separation.

Always be shure that the active speaker and the cordless setting are switched to the same channel. Otherwise no sound or only distorted sound will be heard.

- 7 Press **MENU** to go back to the **SOUND** menu and select **DELAY** (hidden at the bottom of the screen). You can adjust, if you wish, the delay of the surround effect (31 is the default value).
- 8 Once the necessary adjustments have been made, select the option **STORE** and press **▷** to store them.
- 8 To exit from the menus, press **EXIT**.

Glossary

EasyLink

Digital link between the set and the video recorder which allows a direct transfer of certain information such as channel setting.

RGB Signals:

These are 3 Red, Green and Blue video signals which directly drive the red, green and blue emitters in the cathode ray tube. Using these signals provides better picture quality.

S-VHS Signals:

These are 2 separate Y/C video signals from the S-VHS and Hi-8 recording standards. The luminance signals Y (black and white) and chrominance signals C (colour) are recorded separately on the tape. This provides better picture quality than with standard video (VHS and 8 mm) where the Y/C signals are combined to provide only one video signal.

NICAM sound:

Process by which digital sound can be transmitted.

System

Television pictures are not broadcast in the same way in all countries. There are different standards: BG, DK, I, and L L'. The **SYSTEM** setting (p. 6) is used to select these different standards. This is not to be confused with PAL or SECAM colour coding. Pal is used in the majority of European countries, Secam in France, the CIS and the majority of African countries. The United States and Japan use a different system called NTSC. The inputs EXT1 and EXT2 are used to read NTSC coded recordings.

16:9:

Refers to the ration between the length and height of the screen. Wide screen televisions have a ration of 16/9, conventional screen TV sets have a ration of 4/3.


Poor reception

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjusting your picture: see "fine tuning" (p.6) or modify the orientation of the outside aerial. Does your antenna enable you to receive broadcasts in this frequency range (UHF or VHF band)? In the event of difficult reception (snowy picture) switch the NR on the PICTURE menu to ON. (p. 7).

No picture

Have you connected the aerial socket properly? Have you chosen the right system? (p. 6). Poorly connected euroconnector cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned). Check all connections.

Peripheral equipment gives a black and white picture

You have not selected the right socket with the  key: S-VHS2 (S-VHS3) instead of EXT2 (EXT3). To play a video cassette, check that it has been recorded under the same standard (PAL, SECAM, NTSC) which can be replayed by the video recorder.

No sound

If on certain channels you receive a picture but no sound, this means that you do not have the correct TV system. Modify the SYSTEM setting (p. 6).

The surround speakers are producing no sound or distorted sound? Check that the active speaker and the cordless setting are switched to the same channel (p.17). Check also that the active speaker indicator lights in green (see step 3 page 16) and that the SURROUND menu is set to ON (p.17).

The remote control no longer works.

Check that the mode selector on the side of the remote control is set to TV.
The TV set does not react to the remote control; the indicator on the set no longer flashes when you use the remote control?
Replace the batteries.

Standby

When you switch the TV set on it remains in standby mode and the indication LOCKED is displayed when you use the keys on the TV set? The CHILD LOCK function is switched on (p. 8). If the set receives no signal for 15 mins, it automatically goes into standby mode.
To save power, your set is fitted with components that give it a very low power consumption when in standby mode (less than 3W).

Cleaning the set

Only use a clean, soft and lint-free cloth to clean the screen and the casing of your set. Do not use alcohol-based or solvent-based products.

Still no results?

If your TV set breaks down, never attempt to repair it yourself: contact your dealer's after-sales service.



Recycling

The materials used in your set are either reusable or can be recycled. To minimise environmental waste, specialist companies collect used appliances and dismantle them after retrieving any materials that can be used again (ask your dealer for further details).

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 5 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures. The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

General Points

Please take note of the section entitled 'Tips' at the end of this booklet.

Interference

The Department of Trade and Industry operates a Radio Interference Investigation Service to help TV licence holders improve reception of BBC and IBA programmes where they are being spoilt by interference.

If your dealer cannot help, ask at a main Post Office for the booklet "How to Improve Television and Radio Reception".

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.


Important

This apparatus is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fit new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be removed.

Connecting the aerial

The aerial should be connected to the socket marked  at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast.

Make-shift loft or set-top aerials are often inadequate. Your dealer will know from experience the most suitable type for your locality.

Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera it is recommended that these be connected via a combiner unit to avoid repeated connection and disconnection of the aerial plug.

Fitting the stand (if provided)

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed with the stand. Never use a make-shift stand, or legs fixed with woodscrews.

