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.

Table of Contents

GB

FR

NL

DE

IT

DK

NO

SU

SF

RU

ES

PT

GR

TR

HU

PL

CZ

SK

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
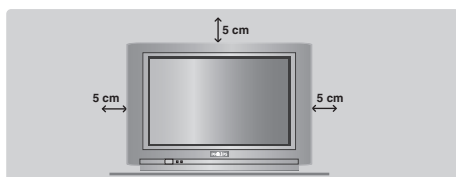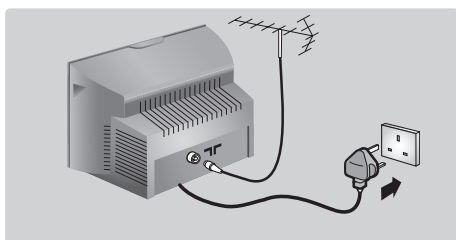your dealer for further details).

Installing your television set

❶ 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.
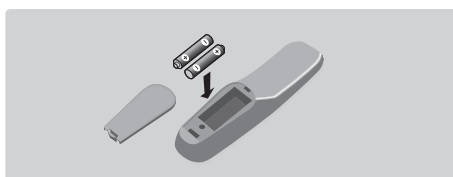
❷ Connections

• Insert the aerial plug into the ⊓⌐ socket at the rear of the set.

If you are using an indoor aerial, reception may be difficult in certain conditions. You can improve reception by rotating the aerial. If the reception remains poor, you will need to use an external aerial.

• Insert the mains plug into a wall socket (220-240 V / 50 Hz).

❸ 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.

❹ Switching on
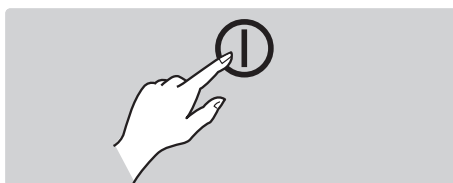
To switch on the set, press the on/off key. A red indicator comes on and the screen lights up. Go straight to the chapter Quick installation on page **4**. If the television remains in standby mode, press **P** ⊕ on the remote control. The indicator will flash when you use the remote control.

The keys on the TV set

The television set has 4 or 5 keys which are located on the front or the top of the set depending on the model.
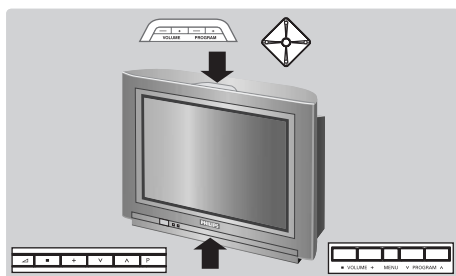
The VOLUME - + (- ◿ +) keys are used to adjust sound levels. The PROGRAM - + (- **P** +) keys are used to select the required programmes. To access the menus, simultaneously hold down the ◿ - and ◿ + keys (or MENU key). The PROGRAM - + keys may then be used to select an adjustment and the - ◿ + keys to make that adjustment. To exit from the menus, hold down the 2 ◿ - and ◿ + keys (or MENU key). *Note : when the* **Child Lock** *function is activated, these keys are unavailable (refer to* **Features** *menu on page 7).*

Remote control keys

Standby
To set the TV to standby mode.
To switch the TV set on again,
press ⏻, P — + or 0 9.

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

Select peripherals (p.10)
Press several times to select the
required EXT connector.

Teletext keys (p. 8)

Dual screen *(according to the version)*
To activate/disable the display on 2
screens. The second screen
displays teletext.

Menu
To call up or exit the menus.

Cursor / Format
These 4 keys are used to navigate
through the menus. The ⌃⌄
keys are used to enlarge or
compress the picture vertically.

Volume
To adjust the sound level.

Mute
To mute or restore the sound.

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.

Sound mode
Used to force programmes in
Stereo and **Nicam Stereo** to
Mono or, for bilingual
programmes, to choose between
Dual I or **Dual II**.
*The **Mono** indication is red when in
forced position.*

Surround Sound
To activate / deactivate the
surround sound effect. In stereo,
this gives the impression that the
speakers are further apart. For
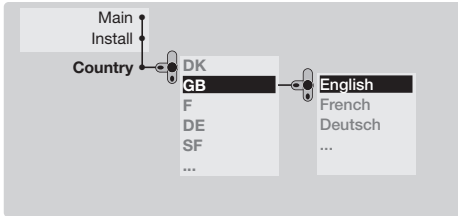models equipped with Virtual
Dolby Surround*, you can
experience Dolby Surround Pro
Logic sound effects.

Double page teletext (p.8)

Smart picture and sound
Used to access a series of predefined
picture and sound settings.
*The **personal** position relates to
settings selected from the menus.*

Teletext call (p. 8)

Programme selection
To access the next or previous TV
channel from the list of Favourite
Programmes (see p. 5).

Digit keys
Direct access to the programmes.
For a 2 digit programme, enter
the 2nd digit before the dash
disappears.

Previous programme
To return to the previous
programme.

PHILIPS

* Manufactured under license from Dolby Laboratories.
"Dolby" and the double-D symbols are trademarks of Dolby Laboratories.

Quick installation

When you turn on the TV set for the first time, a menu is displayed on screen.
This menu prompts you to select the country and language for the menus :
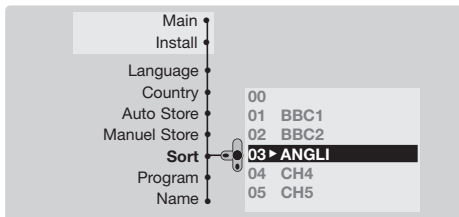
```
        Main
      Install
   Country        DK
                  GB          English
                  F           French
                  DE          Deutsch
                  SF          ...
                  ...
```

If the menu is not displayed, press and hold down the ▱- and ▱+ keys on the TV set for 5 seconds to display the menu.

❶ Use the ⌃⌄ keys on the remote control to select your country and validate with ▷.
If your country does not appear in the list, select choice "…"

❷ Next select your language using the ⌃⌄ keys and validate with ▷.

❸ The search starts automatically. All the available TV programmes will be stored. This operation takes a few minutes. The display shows the progress of the search and the number of programs found. At the end of the search, the menu disappears.
To exit or interrupt the search, press ⟨MENU⟩. If no programme is found, consult the possible solutions p. 12.

❹ If the transmitter or cable network sends the automatic sort signal, the programs will be numbered correctly. In this case, the installation is complete.

❺ If this is not the case, you need to use the **Sort** menu to number the programs correctly.
Some transmitters or cable networks broadcast their own sort parameters (region, language, etc.). In this case, indicate your choice using the ⌃⌄ keys and validate with ▷.

Program sort

❶ Press key ⟨MENU⟩. The **Main menu** is displayed on the screen.

```
          Main
        Install
       Language
        Country
      Auto Store    00
    Manuel Store    01   BBC1
           Sort     02   BBC2
        Program    03 ▸ ANGLI
           Name     04   CH4
                    05   CH5
```

❷ With the cursor, select the **Install** menu followed by the **Sort** menu.

❸ Select the programme you want to move using the ⌃⌄ keys and press ▷.

❹ Then use the ⌃⌄ keys to select the new number and validate with ◁.

❺ Repeat steps ❸ and ❹ for each program you wish to renumber.

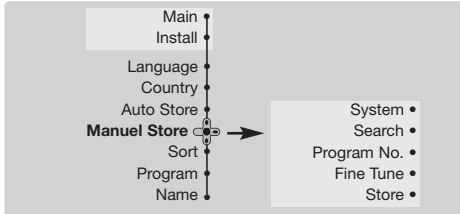❻ To quit the menus, press ⊞.

Program name

If required, you can give a name to the programmes and external connectors.
Note : on installation, the programs are named automatically when an identification signal is sent.

❶ Press the ⟨MENU⟩ key.

❷ With the cursor, select the **Install** menu, then **Name.**

❸ Use the ⊖ **P** ⊕ keys to select the programme to name or rename.

❹ Use the ◁▷ keys to move around the name display area (5 characters) and the ⌃⌄ keys to select the characters.

❺ When the name has been entered, use the ⟨MENU⟩ key to exit. The name is stored.

❻ Repeat steps ❸ to ❺ for each programme you wish to name.

❼ To quit the menus, press ⊞.

Manual store

This menu is used to store the programmes one at a time.

❶ Press the (MENU) key.

❷ With the cursor, select the **Install** menu then **Manual store** :

```
              Main •
           Install •
        Language •
         Country •
       Auto Store •                    System •
    Manuel Store ⬦ ➜                    Search •
              Sort •              Program No. •
          Program •                 Fine Tune •
             Name •                      Store •
```

❸ **System:** select **Europe** (automatic detection*) or **Western Europe** (BG standard), **Eastern Europe** (DK standard), **United Kingdom** (I standard) or **France** (LL' standard).
* Except for France (LL' standard), you must select

choice **France***.*

❹ **Search :** press ⬇️. The search starts. Once a programme is found, the scanning stops and its name is displayed (when available). Go to the next step. If you know the frequency of the required programme, this can be entered directly using the ⓪ to ⑨ keys.
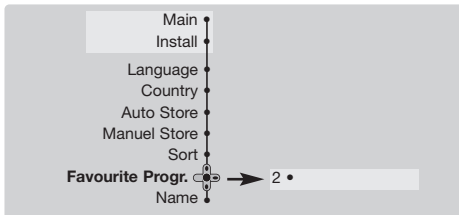*If no picture is found, consult the possible solutions (p. 12).*

❺ **Program No. :** enter the required number with the ⟨⟩ or ⓪ to ⑨ keys. Example : program **1**, enter ⓪①.

❻ **Fine Tune :** if the reception is not satisfactory, adjust using the ⟨⟩ keys.

❼ **Store :** press ⬇️. The program is stored.

❽ Repeat steps ❹ to ❼ for each programme to store.

❾ To quit the menus, press 📺.

Favourite programmes

This menu allows you to select the programmes to be accessed with the ⊖ **P** ⊕ key.

❶ Press the (MENU) key.

❷ With the cursor, select the **Install** menu then **Favourite Progr.** and press ⬇️.

```
              Main •
           Install •
        Language •
         Country •
       Auto Store •
     Manuel Store •
              Sort •
  Favourite Progr. ⬦ ➜  2 •
             Name •
```

The list of favourite programmes is displayed. The programmes that were stored at installation will automatically appear on this list.

❸ Use the up/downcursor to select the required programme.

❹ Use the left/right cursor to add or remove a programme from the list.

❺ Run through steps ❸ and ❹ for each programme to be added or removed from the list.

❻ To exit, press 📺 several times.

Other settings in the Install menu

❶ Press the (MENU) key and select the **Install** menu:

❷ **Language :** to change the display language for the menus.

❸ **Country :** to select your country (**GB** for Great Britain).
This setting is used for the search, automatic programme sort and teletext display. If your country does not appear in the list, select "…"

❹ **Auto Store** : to start automatic search for all programmes available in your region. If the transmitter or cable network sends the
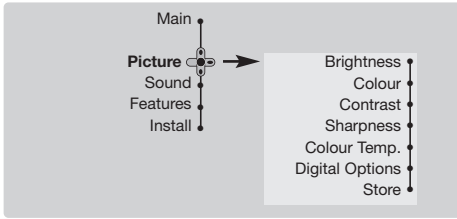
automatic sort signal, the programmes will be numbered correctly. If this is not the case, you need to use the Sort menu to renumber the programmes (see p. 4).
Some transmitters or cable networks broadcast their own sort parameters (region, language, etc.). In this case, indicate your choice using the ⟨⟩ keys and validate with ⬇️. To quit or interrupt the search, press (MENU). If no picture is found, consult the possible solutions (p. 12).

❺ To quit the menus, press 📺.

5

Picture settings

❶ Press (MENU) then (>). The **Picture** menu is displayed :

```
                    Main
          Picture              Brightness
            Sound                Colour
         Features              Contrast
           Install             Sharpness
                             Colour Temp.
                            Digital Options
                                  Store
```

❷ Use the (∧)(∨) keys to select a setting and the (<)(>) keys to adjust.
Note : during the picture adjustment, only the selected line remains displayed. Press (∧)(∨) to display the menu again.

Description of the adjustments :
• **Brightness :** this changes picture brilliance.

• **Colour :** this changes the intensity of the colour.
• **Contrast :** this changes the difference between the light and dark tones.
• **Sharpness :** this changes the picture definition.
• **Colour Temp.:** this changes the colour rendering: **Cold** (bluer), **Normal** (balanced) or **Warm** (redder).
• **Digital Options :**
  - **100 Hz :** 100 Hz processing.
  - **Digital Scan** *(according to the version)* **:** reduces line flicker which is visible on some pictures.
  - **Double lines :** doubling of vertical resolution which removes visible picture lines.
    Advised for NTSC (60Hz) pictures.

❸ Once the adjustments have been made, select **Store** and press (>) to store them. Press (⊞) to exit.

Sound adjustments

❶ Press (MENU), select Sound ((∨)) and press (>). The **Sound** menu is displayed :

```
                    Main
          Picture                 Treble
           Sound                   Bass
         Features                 Balance
           Install            Delta Volume
                                   AVL
                               HP Volume
                                  Store
```
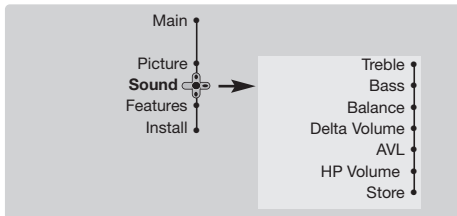
❷ Use the (∧)(∨) keys to select a setting and the (<)(>) keys to adjust.

Description of the settings :
• **Treble :** this alters the high frequency sounds.
• **Bass :** this alters the low frequency sounds.

• **Balance :** this balances the sound on the left and right speakers.
• **Delta Volume :** this is used to compensate any volume discrepancies between the different programs or EXT sockets. This setting is available for programs 0 to 40 and the EXT sockets.
• **AVL** (Automatic Volume Leveller) : this is used to limit increases in sound, especially on program change or advertising slots.
• **HP Volume :** allows you to adjust the headphones volume independently from the loud-speakers on the TV set.

❸ Once the adjustments have been made, select Store and press (>) to store these changes.
❹ To quit the menus, press (⊞).

Feature settings

❶ Press (MENU), select **Features** ((∨)) and press (>). You can adjust :
❷ **Timer**, **Child Lock** and **Parental Cont.** : see next page
❸ **Dynamic NR: Min**, **Med** (optimum position), **Max** or **Off :** attenuates picture noise (snow) in difficult reception conditions.
❹ **Rotation** (only available on very large screen sets) : large screen sets are sensitive to terrestrial magnetic field variations. This setting is used to compensate for this by adjusting the picture rotation.

❺ **Dynamic Contrast** *(according to the version)* **: Min**, **Med** (optimum position), **Max** or **Off**. Enhances the contrast of details in lighter, average and darker areas.
❻ **Decoder :** select the programme(s) that use the external decoder then select the connector where the decoder is connected : **EXT1** or **EXT2**.
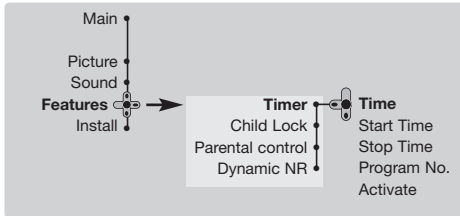*If the decoder is connected to the video recorder, select the video recorder's connector (**EXT2**).*
❼ To quit the menus, press (⊞).

Timer function

This menu lets you use the TV set as an alarm.
1. Press the (MENU) key.
2. With the cursor, select the **Features** menu then **Timer** :

```
Main
Picture
Sound
Features              Timer      Time
Install           Child Lock    Start Time
              Parental control   Stop Time
               Dynamic NR       Program No.
                                Activate
```

3. **Time :** enter the current time.
   Note : the time is updated automatically each time the TV set is switched on via the teletext information on programme 1. If this program does not have teletext, the update will not take place.

4. **Start Time :** enter the start time.
5. **Stop Time :** enter the standby time.
6. **Program No. :** enter the number of the programme for the wake-up alarm.
7. **Activate :** the settings include:
   • **Once** for a single alarm,
   • **Daily** for each day,
   • **Stop** to cancel.
8. Press (power) to put the TV set in standby. It will automatically come on at the time programmed. If you leave the TV set on, it will just change programmes at the time entered (and will go to standby mode at the **Stop Time**).
   By combining the **TV lock** and **Timer** functions, you can restrict the period during which the TV set is used, for example by your children.

TV lock

You can block certain programs or inhibit use of the TV set completely by locking the keys.

Child lock
1. Press (MENU).
2. With the cursor, select the **Features** menu and position **Child Lock** to **On**.

```
Main
Picture
Sound
Features             Timer
Install          Child Lock  →  On •    Off •
              Parental control
               Dynamic NR
```
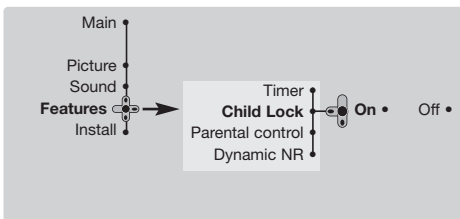
3. Turn off the TV set and hide the remote control. The TV set cannot be used (except via the remote control).
4. To cancel : position **Child Lock** to **Off**.

Parental control
1. Press the (MENU) key, select the **Features** menu then **Parental Cont**. :
2. You must enter your secret access code. The first time you enter this, enter code 0711 twice and then enter your new code choice. The menu is displayed.
3. **Parental Cont. :** Use the (up)(down) keys to select the TV programme required and validate with (>). The 🔒 symbol will be displayed opposite the programmes or sockets that are locked. From now on, to view a locked programme, you must enter your secret code, otherwise the screen will stay blank.
   The access to the **Install** menu is also locked. Caution, for encrypted programs using an external decoder, you must lock the corresponding EXT socket.
4. **Change code :** this allows you to enter a new 4 digit code. Confirm your new code by entering it a second time.
   If you have forgotten your secret code, enter the universal code 0711 twice.
5. **Unlock all :** this is used to unlock all locked programmes.
6. **Lock All :** this is used to lock all the TV programmes and EXT connectors.
7. Press the (⊞) key to quit.

Teletext

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.).

| Press :		You will obtain :
▤	**Teletext call**	This is used to call teletext, change to transparent mode and then exit. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number. *If the channel selected does not broadcast teletext, the indication 100 will be displayed and the screen will remain blank (in this case, exit teletext and select another channel).*
⓪/⑨ ⊖P⊕	**Selecting a page**	Enter the number of the page required using the ⓪ to ⑨ or ⊖ **P** ⊕ keys, ⌃⌄. Example: page 120, enter ① ② ⓪. The number is displayed top left, the counter turns and then the page is displayed. Repeat this operation to view another page. *If the counter continues to search, this means that the page is not transmitted. Select another number.*
●●○○	**Direct access to the items**	Coloured areas are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages. *The coloured areas flash when the item or the page is not yet available.*
⊞	**Contents**	This returns you to the contents page (usually page 100).
⟨ ⟩	**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 ▶, ◀ or ◀ ▶. Use the keys ⟨⟩ to directly access the sub-pages of your choice.
⌃ ⌄	**Enlarge a page**	This allows you to display the top or bottom part of the page and then return to normal size.
I-II	**Double page teletext** *(only available on certain versions)*	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.
⊡ ?	**Hidden information**	To display or hide the concealed information (games solutions).
MENU ⊞ ●●○○	**Favourite pages**	Instead of the standard coloured areas displayed at the bottom of the screen, you can store 4 favourite pages on the first 40 channels which can then be accessed using the coloured keys (red, green, yellow, blue). Once set, these favourite pages will become the default every time tetetext is selected. ❶ Press the ⓜ key to change to favourite pages mode. ❷ Display the teletext page that you want to store. ❸ Press the coloured key of your choice for 3 seconds. The page is now stored. ❹ Repeat the operation with the other coloured keys. ❺ Now when you consult teletext, your favourite pages will appear in colour at the bottom of the screen. To temporaly retrieve the standard items, press ⓜ. *To clear everything, and return the standard items as the default, press ⊞ for 5 seconds.*
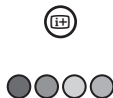
16:9 Formats

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.
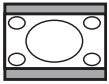
If your television is equipped with a 4:3 screen.

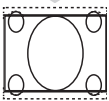Press the ⌃ key (or ⌄) to select the different modes:
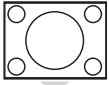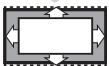
4:3
The picture is reproduced in 4:3 format.

Expand 4:3
The picture is enlarged vertically. This mode is used to cancell the black bands when watching a programme in letterbox format.

Compress 16:9
The picture is compressed vertically into 16:9 format.

Auto Format
The format of the picture is automatically adjusted to fill as much of the screen as possible.

If your television is equipped with a 16:9 screen.

Press the ⌐ key (or ⌐) to select the different modes:
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.
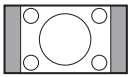
4:3
The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture. The picture may be progressively enlarged using the ⌃⌄ keys.
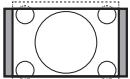
Zoom 14:9
The picture is enlarged to 14:9 format, a thin black band remains on both sides of the picture. The ⌃⌄ keys allow you to compress and move the image vertically to view the top or bottom of the picture (subtitles).
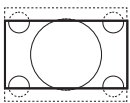
Zoom 16:9
The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures which have black bands at the top and bottom (letterbox format). Use the ⌃⌄ keys if you wish to compress and move the image vertically to view the top or bottom of the picture.
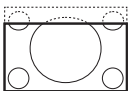
Subtitle Zoom
This mode is used to display 4:3 pictures using the full surface of the screen leaving the sub-titles visible. Use the ⌃⌄ keys to increase or decrease the compression at the bottom of the screen.
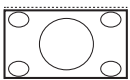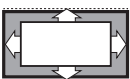
Super Wide
This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture. The ⌃⌄ keys allow you to scroll the image up or down the screen.
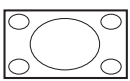
Widescreen
This mode restores the correct proportions of pictures transmitted in 16:9 using full screen display.

Auto Format
The format of the picture is automatically adjusted to fill as much of the screen as possible.
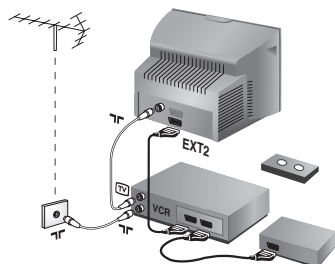
Connecting peripheral equipment

The television has 2 external sockets situated at the back of the set (EXT1 and EXT2).
The EXT1 socket has audio, CVBS/RGB inputs and audio, CVBS outputs.
The EXT2 socket has audio, CVBS/S-VHS inputs and audio, CVBS outputs.

Video recorder

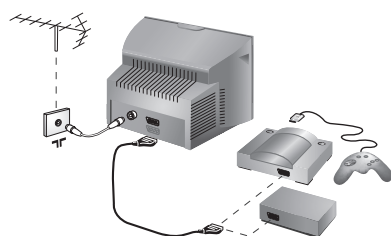Carry out the connections shown opposite, using a good quality euroconnector cable.
If your video recorder does not have a euroconnector socket, the only connection possible is via the aerial cable. You will therefore need to tune in your video recorder's test signal and assign it programme number 0 (refer to manual store, p. 5).
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.
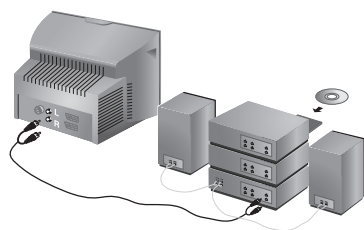
Other equipment

Satellite receiver, decoder, CDV, games, etc.
Carry out the connections shown 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 *(only available on certain versions)*

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.
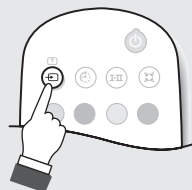
To select connected equipment
Press the ⊡ key to select **EXT1**, **EXT2**, **S-VHS2** (S-VHS signals from the EXT2 socket) and **EXT3** for connections on the front panel.
Most equipment (decoder, video recorder) carries out the switching itself.

Side connections
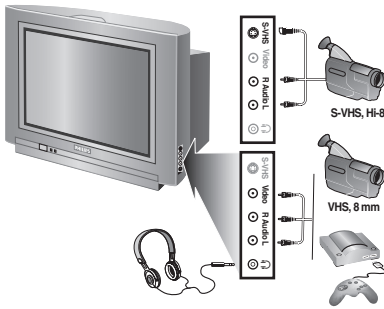
Make the connections as shown opposite.
With the �ᴳ⟩ key, select **EXT3**.
For a mono set, connect the sound signal to the AUDIO L (or AUDIO R) input. The sound automatically comes out of the left and right speakers of the set.

Headphones
Press the ⟨⧳⟩ key to mute the sound on the TV set (see also sound settings, page 6).
The headphone impedance must be between 32 and 600 Ohms.

S-VHS, Hi-8

VHS, 8 mm

Glossary

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.

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 most countries in Europe, Secam in France, Russia and most African countries. The United States and Japan use a different system called NTSC.

100Hz :

Conventional televisions (50 Hz) produce a visible image flicker. Thanks to 100 Hz technology, the scanning frequency is doubled. It is visually more comfortable and the flickering effect is reduced.

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.

Tips

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.5) 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 **Dynamic NR** on the **Features** menu to **ON**. (p. 6).

No picture

If the television does not switch on, please press the standby key ⏻ (located on the remote control) twice.
Have you connected the aerial socket properly?
Have you chosen the right system? (p. 5).
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

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.

The remote control no longer works

Check that the mode selector on the side of the remote control is set to TV.

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. 5).

Teletext

Are certain characters not displayed correctly? Check that the **Country** setting has been positioned correctly (p.5).

Remote control

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. 7).
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 1 W).

Still no results ?

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

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.