Introduction

Thank you for purchasing this television set.
This handbook has been designed to help you install and operate your TV set.
We strongly recommend that you read it thoroughly.
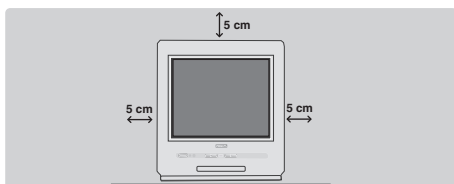
Table of Contents

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).
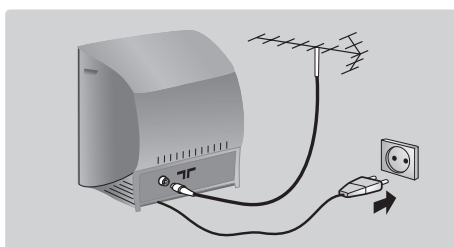
Installing your television set

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 with 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 sometimes 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
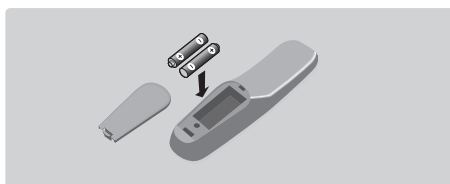
Insert the two R6-type batteries (supplied) making sure that they are in the correct way.
The batteries supplied with this appliance do not contain mercury or nickel cadmium. If you have access to a recycling facility, please do not discard your used batteries (if in doubt, consult your dealer). When the batteries are replaced, use the same type.

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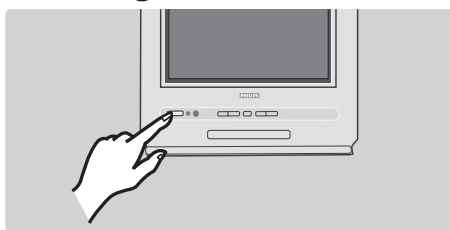
To switch on the set, press the on/off key. A red indicator comes on and the screen lights up. If the television remains in standby mode, press P ⊕ on the remote control.
The indicator will flash when you use the remote control.

The keys on the TV set

The television has 6 keys located on the front of the set.
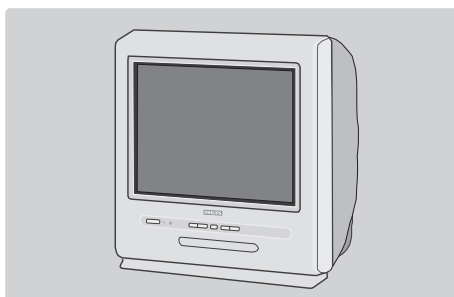
The ⏻ key switches the TV set on and off.
The ⏏ key opens and closes the DVD tray.
The VOLUME - + (- ◺ +) keys adjust the sound.
The P - + select the programmes.
To access the menus simultaneously press the ◺ - and ◺ + keys. The P - + keys select a setting and the ◺ - + keys make adjustments.
To quit the menu displayed, press the two keys ◺ - and ◺ +.
*Note: when the **childlock** is active, the keys are deactivated (see p. 7).*

2

The remote control keys

TV : Information Screen
To display / hide the programme number, name (if there is one) sound mode*, and the time remaining on the timer.
DVD: Info. on playing (p.10)

DVD keys (p. 10, 12)
TV : teletext keys (p.8)

Rewind and fast forward (p. 10)

Stop, Eject (p. 10)

Menu
To call or close menus.

Cursor
These four keys navigate the menus.

Volume
To adjust the sound level.

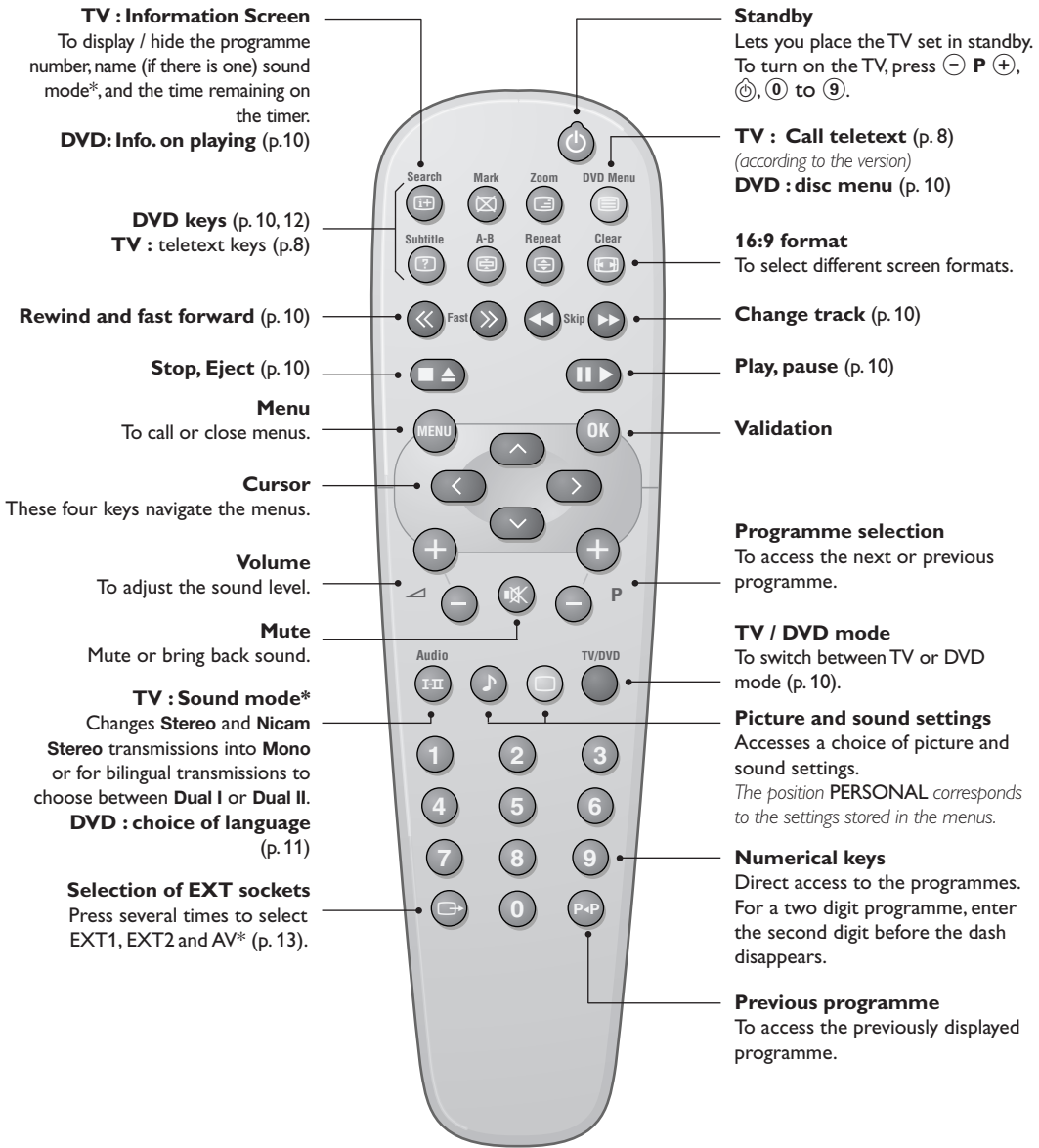**Mute**
Mute or bring back sound.

TV : Sound mode*
Changes **Stereo** and **Nicam Stereo** transmissions into **Mono** or for bilingual transmissions to choose between **Dual I** or **Dual II**.
DVD : choice of language (p. 11)

Selection of EXT sockets
Press several times to select EXT1, EXT2 and AV* (p. 13).

Standby
Lets you place the TV set in standby. To turn on the TV, press ⊖ **P** ⊕, ⟳, **0** to **9**.

TV : Call teletext (p. 8)
(according to the version)
DVD : disc menu (p. 10)

16:9 format
To select different screen formats.

Change track (p. 10)

Play, pause (p. 10)

Validation

Programme selection
To access the next or previous programme.

TV / DVD mode
To switch between TV or DVD mode (p. 10).

Picture and sound settings
Accesses a choice of picture and sound settings.
The position PERSONAL *corresponds to the settings stored in the menus.*

Numerical keys
Direct access to the programmes. For a two digit programme, enter the second digit before the dash disappears.

Previous programme
To access the previously displayed programme.

* Only available on stereo versions.

3

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 :
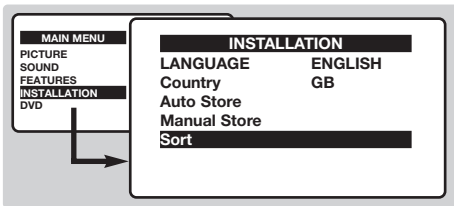
```
           WELCOME

    Country        Language

       ⇧              ⇧

  ⇦  GB           ENGLISH  ⇨

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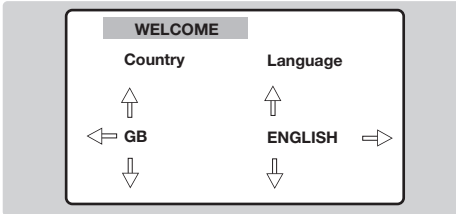
If the menu is not displayed, press and hold down the ◢- and ◢+ keys on the TV set for 5 seconds to display the menu.

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

❷ Next select your language using the ⌃⌄ keys and confirm with ⊳.

❸ The search starts automatically.
Finally the **INSTALLATION** menu appears automatically.
If the programmes found have not been correctly numbered, use the **Sort** menu to renumber them.
If no picture is found see Tips (p. 14).

❹ If you want to exit the menus, press (MENU) several times.

Programme sort

This menu allow you to change the numbering of programmes.

❶ Press the (MENU) key. The **MAIN MENU** is displayed on the screen.

```
 MAIN MENU
PICTURE                 INSTALLATION
SOUND          LANGUAGE        ENGLISH
FEATURES       Country         GB
INSTALLATION   Auto Store
DVD            Manual Store
               Sort
```

❷ Select the **INSTALLATION** menu with the cursor then the **Sort** menu.

❸ Select the programme you want to move with the ⌃⌄ keys and press ⊳.

❹ Then use the ⌃⌄ keys to choose the new number and confirm with ⊲.

❺ Repeat steps ❸ and ❹ as many times as required to move the programmes.

❻ To exit the menus, press (MENU) 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 menu.

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.

Finally the **INSTALLATION** menu appears automatically.
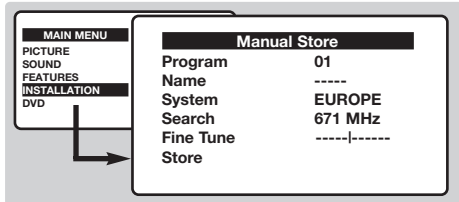If the programmes found have not been correctly numbered, use the **Sort** menu to renumber them.
If no picture is found see Tips (p. 14).

❺ If you want to exit the menus, press (MENU) several times.

4

Manual store

This menu is used to store the programmes one at a time or to add a programme to the existing list.

❶ Press the (MENU) key to display the **MAIN MENU**. Select **INSTALLATION** with the cursor then the manual store **menu** then press (OK).

```
┌─────────────────┐
│ MAIN MENU       │        Manual Store
│ PICTURE         │
│ SOUND           │   Program       01
│ FEATURES        │   Name          -----
│ INSTALLATION    │   System        EUROPE
│ DVD             │   Search        671 MHz
│        ↓        │   Fine Tune     -----|------
│        →        │   Store
└─────────────────┘
```

❷ **System** : select **Europe** (automatic detection*) or according to the versions **Western Europe** (BG standard), **Eastern Europe** (DK standard), **United Kingdom** (I standard) or **France** (LL' standard).

** Except for France (LL' standard), you must select the choice **France**.*

❸ **Search** : press ⟩. The search starts. Once a programme is found, the scanning stops. Go to the next step. If you know the frequency of the required programme, enter its number directly with the ⓪ to ⑨ keys.
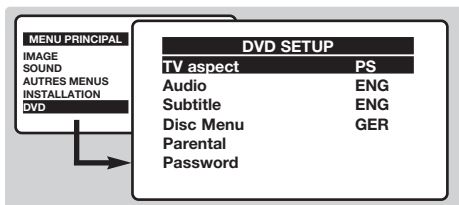*If no picture is found, consult the possible solutions (p. 14).*

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

❺ **Programme :** enter the desired number with the keys ⟨⟩ or ⓪ to ⑨.

❻ **Name :** use the ⟨⟩ keys to move around the name display area (5 characters) and the ⋀⋁ keys to select the characters. When the name has been entered press the ⟨ key to exit.

❼ **Store** : press ⟩. The programme is stored.

❽ Repeat steps ❷ to ❼ for each programme to be stored.

❾ To exit the menus press (MENU) several times.

DVD player menu

Use this menu to set the preferences of the integrated DVD player.

❶ Press the (MENU) key. The **MAIN MENU** is displayed on screen.

❷ Use the ⋀⋁ key on the remote to select **DVD SETUP** then confirm with (OK).

```
┌─────────────────┐
│ MENU PRINCIPAL  │        DVD SETUP
│ IMAGE           │
│ SOUND           │   TV aspect     PS
│ AUTRES MENUS    │   Audio         ENG
│ INSTALLATION    │   Subtitle      ENG
│ DVD             │   Disc Menu     GER
│        ↓        │   Parental
│        →        │   Password
└─────────────────┘
```

The DVD menu appears and the TV set switches to DVD mode. Use the ⋀⋁ keys to select a setting and (OK) to confirm, enter or leave submenus.

❸ **TV aspect** : to select the required screen format.

❹ **Audio** : to select the preferred language of the DVD film sound track.
If the preferred language is available on the disc it will be selected by default. Otherwise the first language of the disc will be activated.
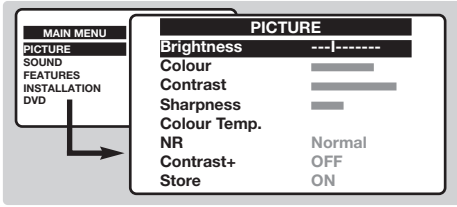
❺ **Subtitle** : to select the preferred subtitle language of the DVD films.

❻ **Disc Menu** : to define the preferred language of the DVD disc menu.

❼ **Parental** : to activate parental locking level from 1 (minimum) to 8 (maximum). The **off** position deactivates the feature.
Some DVD discs have locking levels (1 to 8), sometimes with replacement scenes. For example, if you choose Level 4, all the scenes of level 4 (and lower) will be played. Scenes with a higher level will not be played or replaced with replacement scenes. If the disc does not have any replacement scene, it stops playing and you have to enter the four figure Password.

❽ **Password :** to change password. First key in your old password, then key your new password. Confirm by keying it a second time.
If you have forgotten your password, enter the universal code 0711.

❾ Press (MENU). several times to exit the menus.

5

Picture settings

❶ Press (MENU), select **PICTURE** and press (>).
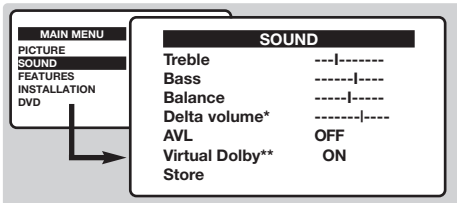The **PICTURE** menu appears :

```
MAIN MENU              PICTURE
PICTURE      Brightness     ---|-------
SOUND        Colour
FEATURES     Contrast
INSTALLATION Sharpness
DVD          Colour Temp.
             NR             Normal
             Contrast+      OFF
             Store          ON
```

❷ Use the (∧)(∨) keys to select a setting and
(<)(>) keys to adjust.
❸ Once the adjustments have been made select
Store and press (>) to store them.
❹ Press (MENU) several times to exit the menus.

Description of the adjustments :

- **Brightness :** this changes the 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).
- **NR** (Noise Reduction) : reduces picture noise
  (snow), in the case of difficult reception.
- **Contrast+** : automatically adjusts contrast of
  the picture by making the darkest part of the
  picture permanently black.
- **Store** : to store the picture adjustments.

Sound adjustments *(only available in stereo versions)*

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

```
MAIN MENU                SOUND
PICTURE
SOUND        Treble         ---|-------
FEATURES     Bass           ------|----
INSTALLATION Balance        -----|-----
DVD          Delta volume*  -------|----
             AVL            OFF
             Virtual Dolby**  ON
             Store
```

❷ Use the (∧)(∨) keys to select a setting and
the (<)(>) keys to adjust.
❸ Once the adjustments have been made select
Store and press (>) to store them.
❹ To quit the menus press (MENU) several times.

Description of the settings :

- **Treble** : this alters the high frequency sounds.
- **Bass** : this alters the low frequency sounds.
- **Balance** : to balance the sound on the left
  and right speakers.
- **Delta Volume*** : this is used to compensate
  for any volume discrepancies between the
  different programmes or EXT sockets.
- **AVL** (Automatic Volume Leveler) : automatic
  volume control which limits increases in sound,
  especially on programme change or advertising
  slots.
- **Virtual Dolby **** : two speakers are used to
  simulate the surround effect produced by a
  multichannel system.
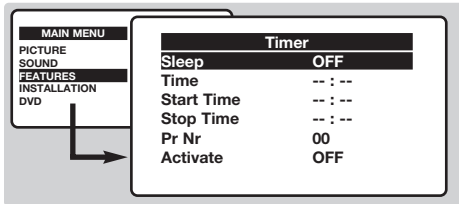- **Store** : this is used to store sound settings.

* only available in versions with delta volume feature
** only available in versions with virtual dolby feature

6

Timer function

This menu lets you use the TV set as an alarm clock.

❶ Press the ⌨MENU key.

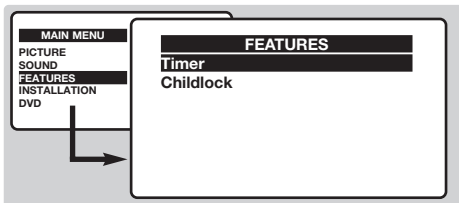❷ With the cursor select the **FEATURES** menu then **Timer** :

```
┌─────────────────┐
│ MAIN MENU        │
│ PICTURE          │        Timer
│ SOUND            │   Sleep          OFF
│ FEATURES         │   Time           -- : --
│ INSTALLATION     │   Start Time     -- : --
│ DVD              │   Stop Time      -- : --
│         ↘        │   Pr Nr          00
│                  │   Activate       OFF
│           →      │
└─────────────────┘
```

❸ **Sleep :** to select an automatic standby period.

❹ **Time :** enter the current time.

❺ **Start Time** : enter the start time.

❻ **Stop Time :** enter the stop time.

❼ **Program No. :** enter the number of the desired programme for the wake-up alarm.

❽ **Activate** : you can set :
 • **Once** for a single alarm,
 • **Daily** for each day,
 • **Off** to cancel.

❾ Press ⏻ 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 go into standby mode at the **Stop Time**).

TV lock

This menu lets you block use of the TV set.

❶ Press ⌨MENU.

❷ With the cursor select the **FEATURES** then **Child Lock** :

```
┌─────────────────┐
│ MAIN MENU        │
│ PICTURE          │        FEATURES
│ SOUND            │   Timer
│ FEATURES         │   Childlock
│ INSTALLATION     │
│ DVD              │
│         ↘        │
│           →      │
└─────────────────┘
```

❸ You must enter your secret access code. The first time, key the code 0711. The menu is displayed.

❹ Switch **Child Lock** to **ON**. The TV set cannot be used. You must enter your secret access code.

❺ To cancel switch **Child Lock** to **OFF**.

❻ To change the code select **New Code** and enter a new 4 figure code. Confirm by entering a second time.
 If you have forgotten your secret code, enter the universal code 0711.

❼ Press ⌨MENU several times to exit the menus.

7

Teletext *(only available on certain versions)*

Teletext is an information system broadcasted 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.).
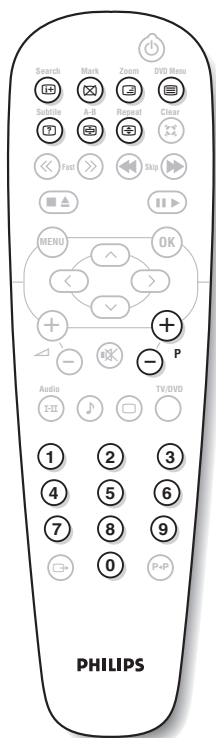
Press :		You will obtain :
🔲	**Teletext call**	To call up or exit from teletext. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number. *If the channel selected does not broadcast teletext, the indication 100 will be displayed and the screen 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).
🔲	**Enlarge a page**	This allows you to display the top or bottom part of the page and then return to normal size.
🔲	**Stop sub-page acquisition**	Certain pages contain sub-pages which are automatically displayed successively. This key is used to stop or resume sub-page acquisition. The indication STOP appears top left.
⍰	**Hidden information**	To display or hide the concealed information (games solutions).
🔲	**Overlaying text on the TV picture**	To activate or deactivate screen overlay.
⊠	**Temporary suspension of display**	This suspends or restarts teletext display. The televised programme reappears. This saves waiting when page searches are long.

8

Using the built-in DVD player

The built-in DVD player allows you to play DVD video discs, picture CDs (jpeg format) and audio CDs (including finalised CD-Rs, CD-RWs, CD-MP3). The discs can be recognised by their logo on the packaging.
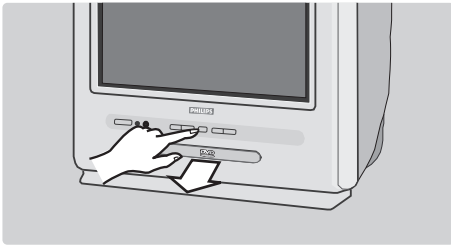

Note : Generally, DVD films are not placed on the market at the same time in the various regions of the world. Accordingly, DVD players are provided with geographical zone codes. If you insert a disc which has a regional code that is different from that of your reader, you will see a message displayed on the screen. The disc cannot be played and you will have to remove it.

Inserting a disc

❶ Opening the tray
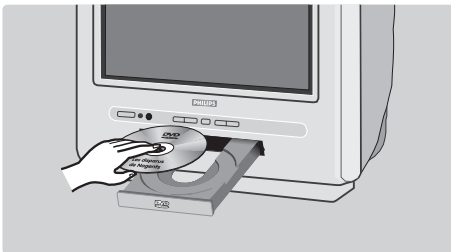
Press the ⏏ key located on the front of the TV set.

❷ Inserting the disc

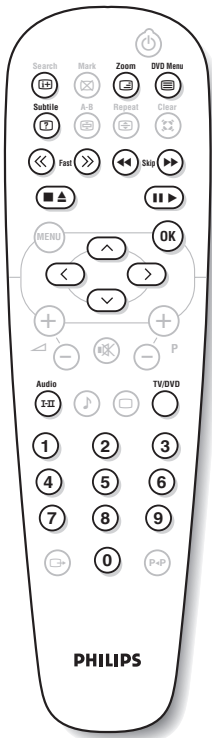Place the disc in the tray, with the label facing upwards. Makes sure that it is positioned correctly in the recess.

❸ Closing the tray

Gently push the tray or press the ⏏ button to close. The disc will begin to play.

❹ Automatic play

When the tray is closed the TV set switches to DVD mode then the content of the disc is displayed.

9

Choice of TV or DVD mode
Press the **TV/DVD** key on the remote to switch the TV set between TV and DVD mode.

Play
Once the disc has been inserted, play begins automatically. On some discs you may be asked to select a heading in a menu. Use the ⓪⑨ or keys as appropriate then press (OK).

Stop and ejection of the disc
Press the ■ key once to stop play and a second time to eject the disc.

Resume play
When you interrupt playing a disc (going to TV mode or pressing ■), playing starts at the exact point where you have stopped it.
The resume function applies to the last 4 discs played.

Fast forward and rewind
Press the **<<** or **>>** key while playing to fast forward or rewind at x2, x4, x8, x16 or x32 Speed. Press ▶ to return to normal speed.

Stop on picture
Press ❙❙ to stop the picture. Press ▶ again to resume play.

Next/previous chapter
DVD discs are split into different chapters to permit direct access to certain scenes. Use the ◀◀ ▶▶ key to access the next or previous chapter.

DVD disc menu
Press the key. The DVD menu appears. Its contents will depend on the DVD. It allows you to access different sections, such as choice of language, direct access to certain scenes, special production notes, trailers, etc. Use the keys to select and (OK) confirm.

Language selection
Press the (I-II) key to select the different languages available on the disc. A menu bar appears at the top of the screen, this will disappear after a few seconds.

Subtitling language
Press the key to choose your subtitling language (choose off to deactivate it).

Enlarging the picture
Press the **Zoom** key several times to enlarge the picture x2, x3 or x4. Use the keys to move the enlarged picture.

Information on playing
Press the key. An information menu appears. In its upper part the preview of the play is displayed. Use the (OK) keys to go through the different settings and access the submenus.
Use the ⓪⑨ keys to select, (OK) to confirm and to quit.

▶	Menu	
	Title	01/03
	Chapter	02/38
	Audio	English
	Subtile	English

10
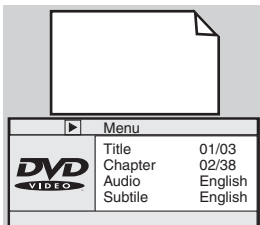
Playing an audio CD

Play

Once the disc has been inserted, play begins automatically. The current track and time are displayed on the screen.

Changing tracks

Use the ◄◄ ►► keys to change tracks.

Note : this function is not available with MP3 audio CDs.

Fast forward and rewind

Press **<<** or **>>** to fast forward or rewind x2, x4, x8, x16 or x32.
Press ► to return to normal speed.

Pause / stop / eject

Press ▐▐ to pause and ► to resume play. Press ■ to stop and again to eject.

Direct access by time

Press ⌨. Use the ⓪⑨ keys to enter the exact time from which you want to restart play.

Playing an MP3 audio CD

MP3 audio CDs allow you to store several albums on a single disc. A navigation menu is displayed on the screen with the list of the various albums available. Use the ⌃⌄ keys to make your selection and the ⓪Ⓚ keys to confirm. Repeat the operation to select the desired track and start play. The access track appears at the top of the list. The ⟨ key allows you to back up the hierarchy.

Reading a picture CD
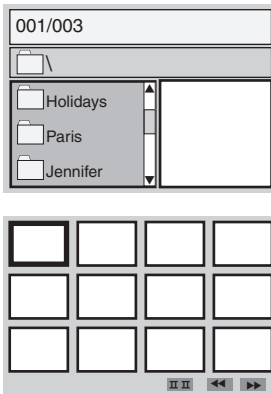
Reading and navigation

Once the disc has been inserted, a navigation menu appears on screen. The list of folders and images is displayed on the left and a preview on the right. Use the cursor ⌃⌄⟨⟩ to select the desired image and press ⓄⓀ to display it full screen. The images on the disc follow automatically in order. To return to the navigation menu press ▤.

Preview

While reading the disc press the ■ key to display the preview menu. Use the cursor ⌃⌄⟨⟩ to select the desired image and press ⓄⓀ to display it in full screen.

Moving to another image

Use the ◄◄ ►► keys to move to the next or previous image.

Rotating the image

Use the ⟨⟩ keys to change the orientation of the image and the ⌃⌄ keys to reverse it.

Enlarging/reducing the image

Press the **Zoom** key several times to display the image in 2, 3 or 4 times scale. Use the ⟨⟩ ⌃⌄ keys to move the enlarged image.

001/003

\

Holidays
Paris
Jennifer

11

Marking and repeating play

The following functions let you program the player to repeat a disc or to repeat scenes or favourite parts of a disc.

Repeat play

Press the **Repeat** key several times to repeat the title, chapter or the whole disc.

Repeat play between two points A -B

Press the **A-B** once to tag the starting point **A** of the repetition. Press a second time to tag the point **B**. Play will repeat indefinitely between the two points **A** and **B**. To cancel the repeat, press the **A-B** key again.

This function is not available with picture CDs.

Marking play

You can mark up to 12 points on the disc being played. These marks let you return at any time to the scenes or parts that you have marked.

This function is not available with picture CDs and audio CDs.

❶ Press the **Mark** key to display or hide the Marking menu.

❷ Press the (OK) key for each mark you want to make. The number of the mark, the title, the chapter and the time of the marked point are displayed.

❸ Use the ⌃⌄‹› keys to navigate in the marking menu and press (OK) to display the marked scene.

to cancel a tag press **Clear** *key.*
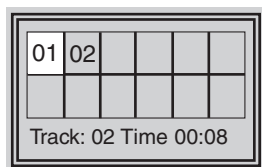
Glossary

RGB Signals :

These are 3 Red, Green and Blue video signals which directly drive the red, green and blue emitters in the picture 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.

16:9 :

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

12

Connecting peripheral equipment

Video recorder
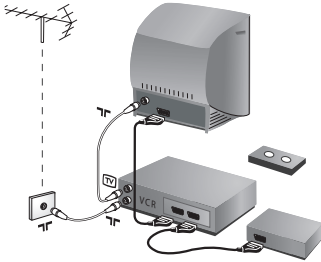
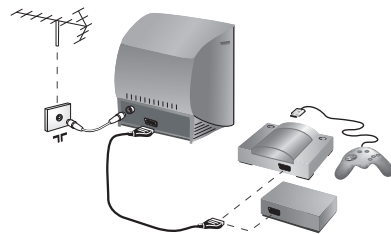Carry out the connections shown opposite, using a good quality euroconnector cable.

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.
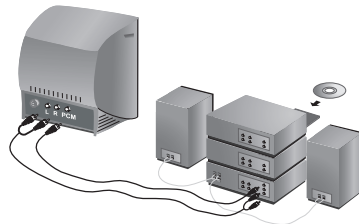
Other equipment

Satellite receiver, decoder, games, etc.
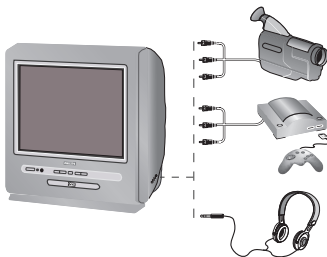Make the connections as shown opposite.

Amplifier

To connect a Hi-fi unit, use an audio connecting cable and connect :
- The "L" and "R" outputs of the TV set to an "AUDIO IN" "L" and "R" of the Hi-fi unit.
- The "PCM" output of the TV set to a "DIG IN" input of the amplifier (amplifier with digital coaxial input).
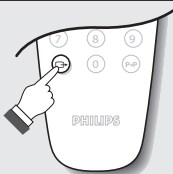
Side connections

Make the connections as shown opposite.

Headphones
When headphones are connected, the sound on the TV set will be cut. The ⊖ ◿ ⊕ keys are used to adjust the volume level.
The headphone impedance must be between 32 and 600 Ohms.

To select connected equipment
Press the ⬡ key to select **EXT1, EXT2***(and **AV**) for the side connections.
Most equipment (decoder, video recorder) carries out the switching itself.

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* only available for the versions with EXT2.

13

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 **NR** (Noise Reduction) on the **Picture** menu to **ON** (p.4).
No picture	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.
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.
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.4).
Does the DVD player not play?	Check that the disc does not have any fingerprints on it. Clean it with a soft cloth, wiping from the centre to the edge. Is the disc of the correct region code? (p.9).
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 4 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.

14

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