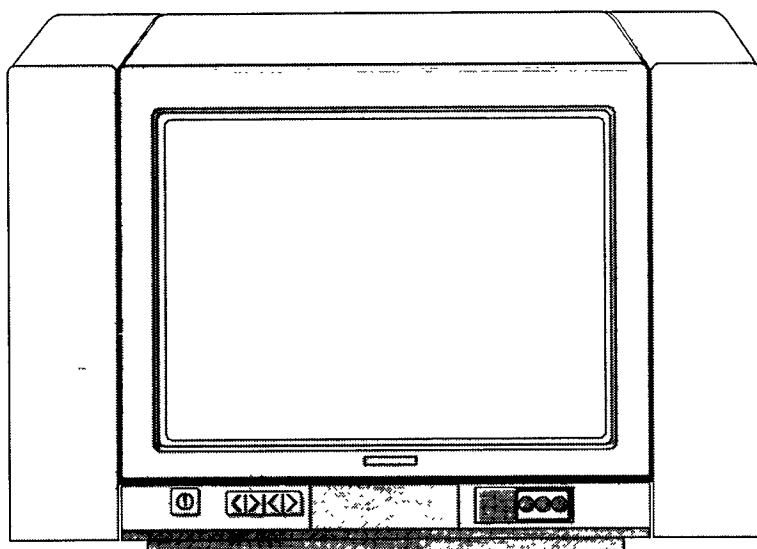




PHILIPS



25GR9763 25GR9963
28GR9773 28GR9973

COLOUR TELEVISION
TELEVISOR EN COLOR
FARVEFJERNSYN
FARGE-TV
FÄRG-TV
VÄRITELEVISIO

Write in pencil your TV station (or device) selections here:

No. TV station/device
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

No. TV station/device
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39

No. TV station/device
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59

Table of TV system frequencies

VHF BAND I *

Channel	Frequency (MHz)
A	45.75
E2	48.25
2A	49.75
B	53.75
E3	55.25
2	55.75
3	60.50
C	61.75
E4	62.25
4	63.75
C	82.25

VHF BAND III *

Channel	Frequency (MHz)
S1	105.25
S2	112.25
B	116.75
S3	119.25
S4	126.25
C	128.75
S5	133.25
S6	140.25
D	140.75
S7	147.25
E	152.75
S8	154.25
S9	161.25
F	164.75
S10	168.25
D	175.25
E5	175.25
5	176.00
G	176.75
E6	182.25
E	183.25
E	183.75
6	184.00
H	188.75
E7	189.25
F	191.25
7	192.00
F	192.25

VHF BAND III *

Channel	Frequency (MHz)
E8	196.25
G	199.25
8	200.00
I	200.75
G	201.25
E9	203.25
H	207.25
9	208.00
E10	210.25
J	212.75
I	215.25
10	216.00
E11	217.25
J	223.25
E12	224.25
K	224.75
S11	231.25
L	236.75
S12	238.25
S13	245.25
M	248.25
S14	252.25
S15	259.25
N	260.75
S16	266.25
O	272.75
S17	273.25
S18	280.25
P	284.75
S19	287.25
S20	294.25
Q	296.75

UHF BAND IV-V

Channel	Frequency (MHz)
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25

UHF BAND IV-V

Channel	Frequency (MHz)
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

* Not applicable for the U.K.

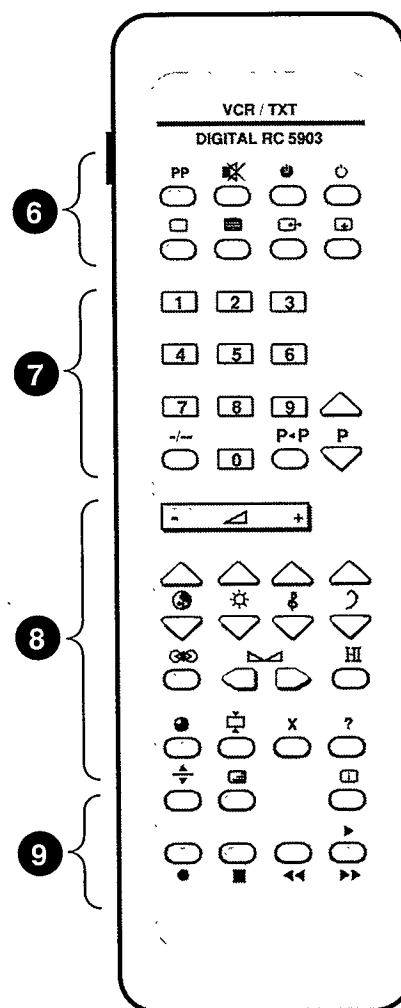
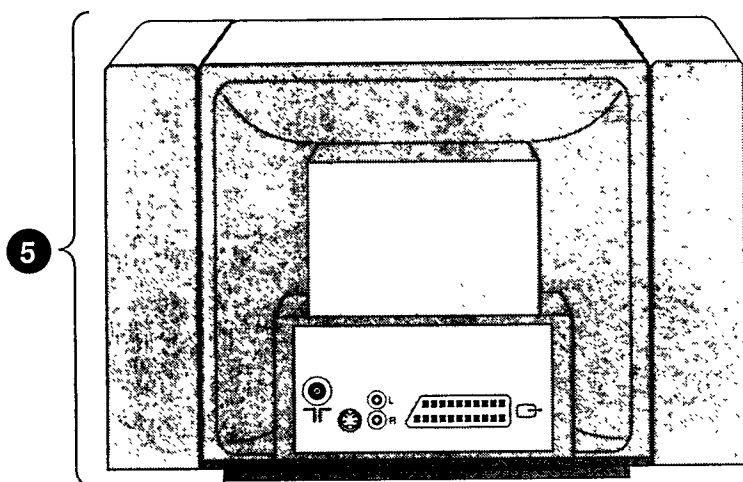
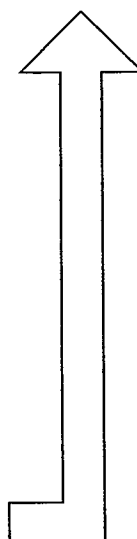
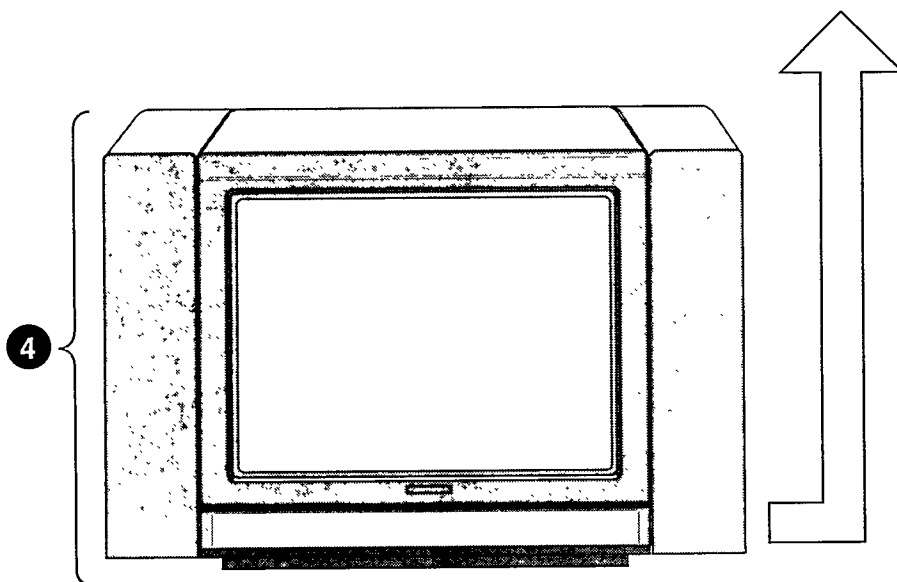
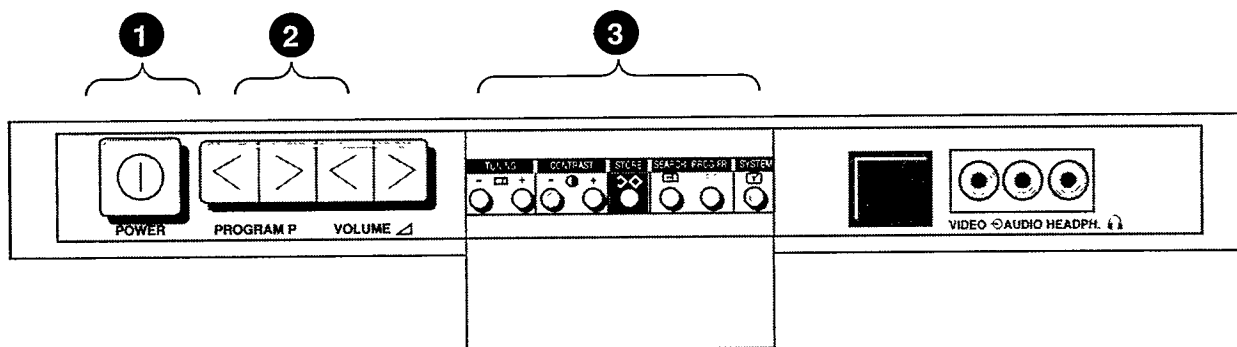
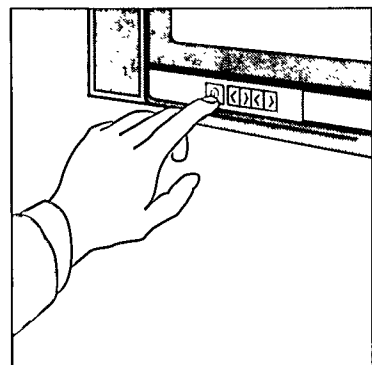


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Norsk	Side	35
Svenska	Sidan	47
Suomi	Sivu	57

Installing and adjusting the TV

Page 3 - 4

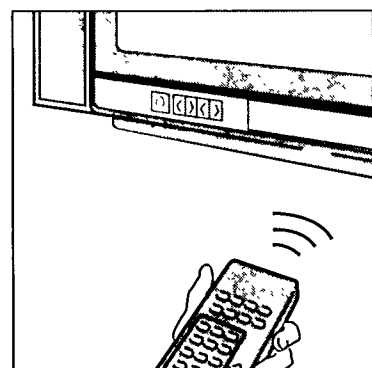


introduction
to install the TV
to connect the TV
to switch the TV on and off
to insert batteries in the remote control handset

to select the system (PAL B+G or PAL-I)
to store TV stations on program numbers

Operating the TV

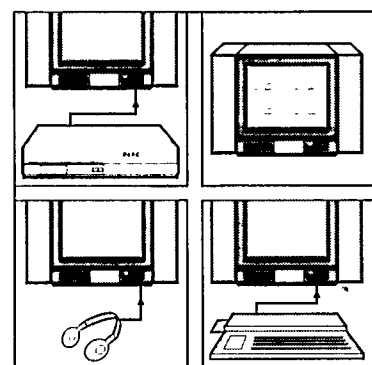
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to select TV stations using program numbers
to change the picture and sound settings
to select protected switch-on mode
to select stand-by mode
to select the sound system (FM or NICAM; MONO, STEREO, DUAL, SPATIAL)
to display picture and sound information

Additional features

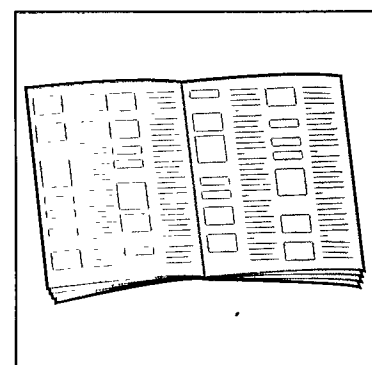
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to operate Teletext
to connect a video recorder
to connect other devices
to connect headphones

General information

Page 12



to store TV stations directly
to fine tune the picture quality
to change the personal preference values
to clean the TV screen
fault indication
technical specification
table of TV system frequencies (see inside cover)

Information for users in the UK

(Not applicable outside the UK)

Service for you

Your colour television has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained, it will perform well for many years. However, we all know that in such complex equipment components can sometimes fail.

The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation.

In any event, you may expect speedy attention to restore your set to full working order without delay.

Free service for 2 years

The dealer from whom the receiver was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 2 years from the date of initial consumer sale provided:

- reasonable evidence is supplied that the set was purchased within 2 years prior to the date of claim
- the defect is not due to use of the set on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise); misuse; neglect; unauthorised or inexperienced modification or repair.

The picture tube guarantee is administered by Philips Components Limited. In addition to the customary 2 year free tube guarantee, Philips Components will consider extending the guarantee period, please see the separate card enclosed for details.

Service after 2 years:

Continuing service after 2 years is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

If you have any question which your dealer cannot answer, please write to:

**C.E. Consumer Relations Department
P.O. Box 298
420 London Road
Croydon CR9 3QR**

All enquiries and claims can be handled more efficiently if accompanied by the Identity Card printed on the back cover of this booklet - this is provided for your reference and should be kept in a safe place.

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 3 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 'General Information' at the end of the English section in 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

The wires in the mains lead are coloured in accordance with the following code:

BLUE = NEUTRAL
BROWN = LIVE

To fit a mains plug:

Connect the BLUE wire in the mains lead to the NEUTRAL terminal of the plug, marked 'N' or coloured black.

Connect the BROWN wire in the mains lead to the LIVE terminal of the plug, marked 'L' or coloured red.

Do not make any connection to the terminal in the plug which is marked by the letter 'E' or by the safety earth symbol ⏏ or coloured green or green-and-yellow.

If the mains plug (or adapter) contains a fuse, this should have a value of 3A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not only over the two wires.

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.

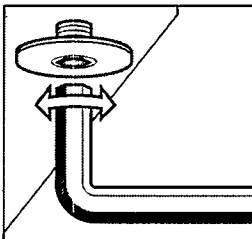
Loop aerial (if provided)

The loop aerial packed with the set will give satisfactory reception under good signal conditions. Fit the aerial bracket and lead by pushing the peg into the square hole in the backcover until it latches in place. Attach the ends of the loop to the mounting studs on the bracket and fit and tighten the knurled nuts. Then insert the plug on the lead into the aerial socket.

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 in the castor bag. Never use a make-shift stand, or legs fixed with woodscrews.

In some models only, in order to fit the stand it may be necessary to remove the feet with the key provided (see illustration).



To fit the stand remove the feet on the TV using the key supplied (see illustration).

Introduction

If you follow these operating instructions you will quickly learn how to adjust and operate all the functions of your new TV; but always read and perform the instructions in the sequence shown.

TV - Indicates actions that are performed using the TV buttons or sockets.

The drawings in the text are accompanied by figures. These correspond to the figures on the fold-out flap.

RC - Indicates actions that are performed using the remote control handset.

Installing the TV

TV To install the TV

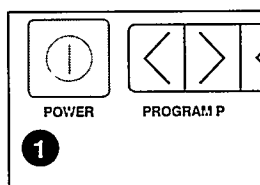
- Remove any packaging from the TV.
- Find the remote control handset within the packaging.
- Place the TV on a solid base (e.g. a TV/video cabinet).
- Leave at least 3 cm around each side of the TV for ventilation.

TV To connect the TV

IMPORTANT: The TV is only suitable for a mains voltage of 220/240 V ~, 50 Hz (Consult your dealer if the mains supply is different).

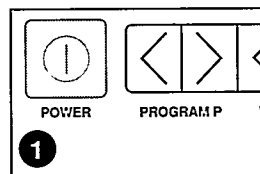
- Connect the TV to the mains supply socket.

- Connect the aerial plug to the "T" socket located at the back of the TV.
- Make sure that all cables connected to the TV are positioned safely.



TV To switch the TV on

- Press the  power button located on the front of the TV.
- If the GREEN colour is displayed on the lamp located below the screen then the TV is switched on.
- If the RED colour is displayed on the lamp located below the screen then you must press the < P or > P program button. The TV will then switch on and the GREEN colour will be displayed on the lamp (for further information refer to the section to switch on the TV from stand-by mode').

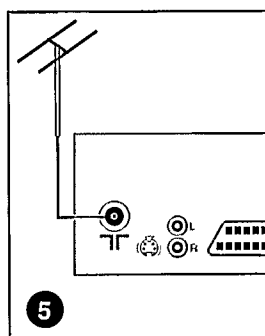
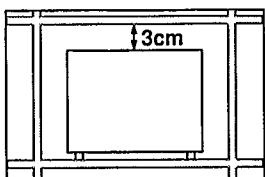
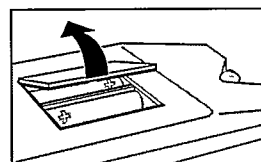


TV To switch the TV off

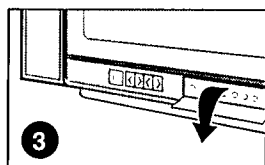
- Press the  power button located on the front of the TV.
- (if you want to switch off the TV temporarily refer to the section 'to select stand-by mode').

RC To insert batteries in the remote control handset

- Remove the battery cover located on the back of the remote control handset.
- Insert the two batteries supplied (type LR03 1.5V).
- Replace the battery cover.

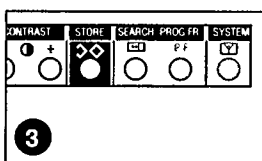


Adjusting the TV



The control buttons needed to select the TV system and store the TV stations are located beneath the control-panel flap on the front of the TV. You must pull this flap forward to access the control buttons during installation and can close it once any required changes have been made.

- Open the control panel-flap on the front of the TV.

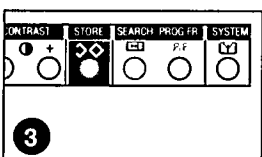


TV To select the TV system (PAL B+G, PAL-I,)

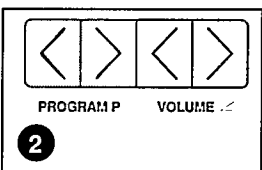
This television is a single standard set. In the countries for which the TV has been destined it can receive PAL B+G or PAL-I. Therefore button **TV** "SYSTEM" has no function.

To store TV stations on program numbers

(Upto 60 TV stations can be stored on program number using the following method.)



1. Press the **◇◇** button, so that information is displayed on the screen about the current program number.
2. Press the **▶** button so the TV automatically searches until a TV station is found and displayed on the screen. Press this button again if you want to continue searching.



3. Select the required program number (0 to 59) by pressing the **< P** or **> P** program button. The selected program number is displayed on the screen.

4. Press the **◇◇** button to store this selection. The program number information is now removed from the screen.

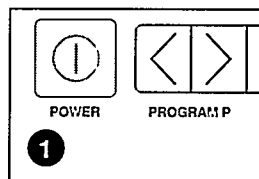
Repeat steps 1 to 4 until all the TV stations you require have been stored on program numbers.

- Close the control-panel flap on the front of the TV.

note: You can write your TV station selections in the table proved in the inside cover.

Operating the TV

You can now operate your TV either using the remote control handset or directly using the buttons.



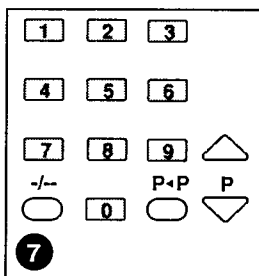
- Switch on the TV by pressing the **⏻** power button located on the front of the TV.

TV To select TV stations using program numbers

After the TV is switched on:

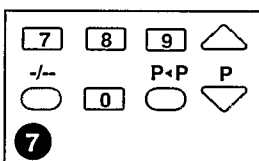
To select TV stations using program number 0 to 9

- Press the appropriate **digit** button on the remote control handset. The selected program number and TV station now appear on the screen.
- Press a different **digit** button to make another selection.



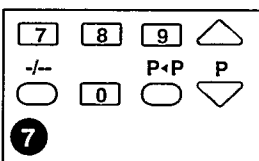
To select TV stations using program number 10 to 59

- Press the **-/-** button. **--** is displayed on the screen.
- Press **two** appropriate **digit** button. The selected program number and TV station now appear on the screen.
- Repeat the above procedure to make another two-digit program selection.



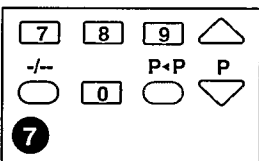
To select a lower or higher program number

- Press the **▽ P** button to select a lower program number.
- Press the **△ P** button to select a higher program number.



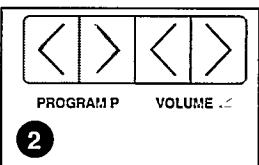
To select the previously used program number

- Press the **P < P** button to select the previous program number.



TV To select TV stations using the TV buttons

- Press the **< P** program button to select a lower program number.
- Press the **> P** program button to select a higher program number.



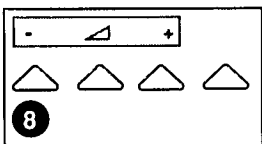
Operating the TV

To change the picture and sound settings
(When the TV is first switched on the picture and sound settings are always at preferred of 'personal preference' values).

Sound settings

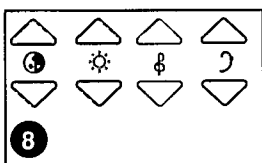
To change the volume (▲)

- Press the - button to decrease the volume.
- Press the + button to increase the volume.



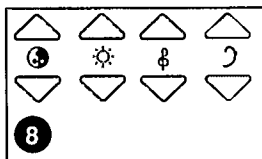
To change the treble setting (♫)

- Press the ▲ button to increase the amount treble in the sound.
- Press the ▼ button to decrease the amount of treble in the sound.



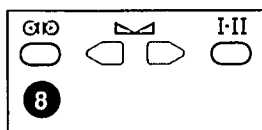
To change the bass setting (🎵)

- Press the ▲ button to increase the amount of bass in the sound.
- Press the ▼ button to decrease the amount of bass in the sound.



To change the balance of the sound (◀▶)

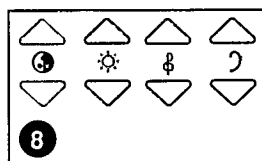
- Press the ◀ button to increase the sound directed to the left loudspeaker.
- Press the ▶ button to increase the sound directed to the right loudspeaker.



Picture settings

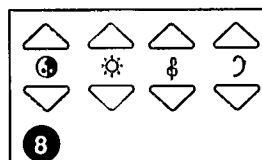
To change the colour intensity (🌈)

- Press the ▲ button to increase the colour intensity.
- Press the ▼ button to decrease the colour intensity.



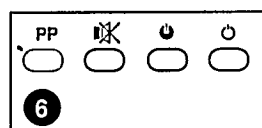
To change the brightness (☀)

- Press the ▲ button to increase the brightness.
- Press the ▼ button to decrease the brightness.



To return to the personal preference settings

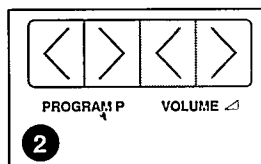
- Press the PP button.



TV **To change the picture and sound settings using the TV buttons**

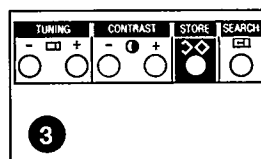
To change the volume of the sound (▲)

- Press the > button to increase the volume.
- Press the < button to decrease the volume.



To change the contrast of the picture (●)

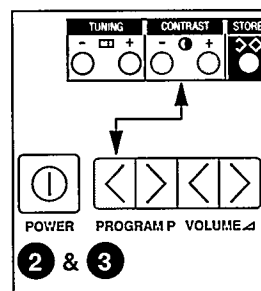
- Open the control-panel flap on the TV.
- Press the + button to increase the amount of contrast.
- Press the - button to decrease the amount of contrast.
- Close the control-panel flap on the TV.



TV and To select protected switch on mode

(Sometimes you may want to prevent other people switching on your TV when you are not present.)

- Open the control panel flap on the TV
 - Press the < P and - ● contrast button simultaneously, with the TV switched on.
- The TV then switches off, and the RED colour is displayed on the lamp located below the screen.



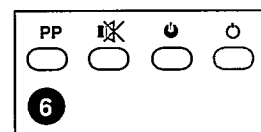
- Close the control-panel flap on the TV.
- The TV can now **only** be switched on by pressing a digit button on the remote control handset (which you can put away safely until you want to use the TV again).

To select stand-by mode

The TV can be put into stand-by mode in three ways:

1. Directly

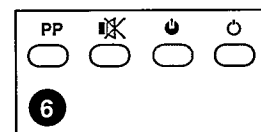
- Press the ⏻ button. The RED colour is displayed on the lamp located below the screen, and the TV is put into stand-by mode.



2. Using the timer

(With this method you can select a time period after which the TV switches to stand-by mode)

- Press the ⏻ until the required time period is displayed on the screen (the time period can be set in steps of 15 minutes from 90 minutes downwards).



Operating the TV

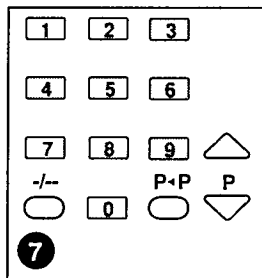
During the final minute of the selected time period, '01' is displayed on the screen informing you that the TV is going to switch to stand-by mode. At the end of this time period the TV switches to stand-by mode and the RED colour is displayed on the lamp located below the screen.

3. Automatically

Approximately 15 minutes after a TV station stops broadcasting ('closedown') then the TV switches itself automatically to stand-by mode.

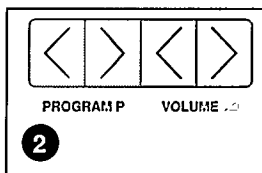
 or  To switch on the TV from stand-by mode

- Press a digit button on the remote control handset so that a program number is selected.



or,

- Press the < P > P button located on the front of the TV.



The RED colour lamp (located below the screen) changes to GREEN when the TV is switched on from stand-by mode.

 **Choice of sound system (analogue or digital)**

The choice of sound system (analogue or digital) will be determined by the incoming signal. The set will always select the highest quality signal (indicated in GREEN letters on the screen).

This television set is fitted with a "NICAM decoder". You will recognise broadcasts with digital sound from the word "DIGITAL" followed by "MONO", "STEREO", "DUAL I" or "DUAL II" which will be displayed on the screen. You will recognise analogue broadcasts from the display of one of the words "MONO", "STEREO", "DUAL I" or "DUAL II" on the screen ("DIGITAL" is not displayed)

Note: Information displayed on the screen in GREEN indicates that the best available sound quality has been selected. Information displayed in BLUE indicates that a better quality sound signal is available.

A. ANALOGUE BROADCASTS (analogue sound)

1. STEREO sound (analogue)

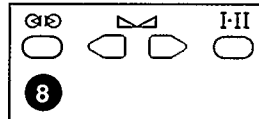
If "STEREO" is displayed on the screen in GREEN, the program is being broadcast in stereo with analogue sound.

2. MONO sound (analogue)

2.1 If "MONO" is displayed on the screen in GREEN, the program is being broadcast in mono with analogue sound without possibility of change.

2.2 Selecting MONO sound (during a stereo broadcast):

- Press the I-II key. "MONO" is displayed on the screen in BLUE.
- Press the I-II key again to reselect the original stereo broadcast. "STEREO" is displayed again in GREEN.



3. DUAL sound (analogue)

If "DUAL I (II)" is displayed on the screen, the program is being broadcast in two languages.

Selecting the second language:

- Press the I-II key to listen to the program in the second language. "DUAL II (I)" will be displayed on the screen in GREEN.
- Press the I-II key again to listen to the program in the original language ("DUAL I (II)" will be displayed on the screen again in GREEN.



B. NICAM BROADCASTS (digital sound)

1. STEREO sound (digital)

If "DIGITAL STEREO" is displayed on the screen in GREEN, the program is being broadcast in stereo with digital stereo sound.

2. MONO sound

2.1 If "MONO" is displayed on the screen in GREEN, the program is being broadcast in mono with analogue sound without possibility of change.

2.2 Selecting MONO sound (during a digital stereo broadcast)

- Press the I-II key. "MONO" will be displayed on the screen in BLUE.
- Press the I-II key again to reselect the original stereo signal. "DIGITAL STEREO" will be redisplayed on the screen in GREEN.



Operating the TV

2.3 Selecting MONO sound (during a digital mono broadcast)

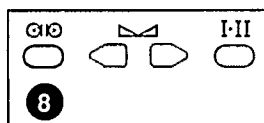
"DIGITAL MONO" displayed on the screen in GREEN indicates that the program is being broadcast with digital mono sound.



- Press the I-II key. "MONO" will be displayed on the screen in BLUE. You have selected analogue mono sound.
- Press the I-II key again to reselect the original mono signal. "DIGITAL MONO" will be redisplayed on the screen in GREEN.

3. DUAL sound (digital)

If "DIGITAL DUAL I" is displayed on the screen in GREEN, the program is being broadcast in two languages.

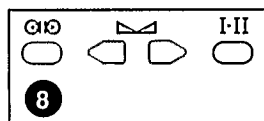


- Press the I-II key to listen to the program in the second language. "DIGITAL DUAL II" will be displayed on the screen in GREEN.
- Press the I-II key again to select analogue sound. "MONO" will be displayed on the screen in BLUE.
- Press the I-II key again to select the original language. "DIGITAL DUAL I" will be redisplayed on the screen in GREEN letters.

SPATIAL sound

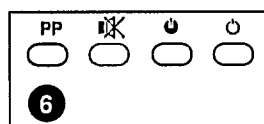
Selecting this effect allows the listener to enjoy spatial sound reproduction.

Selecting SPATIAL sound



- Press the SPATIAL key for spatial sound. SPATIAL will be displayed on the screen.
- Press the SPATIAL key again to return to normal sound. SPATIAL will no longer be displayed on the screen.

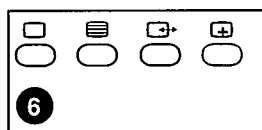
To switch off the sound



- Press the MUTE button to switch off ('mute') the sound. MUTE is displayed on the screen.
- Press the MUTE button again to switch the sound on. MUTE is removed from the screen.

To display picture and sound information

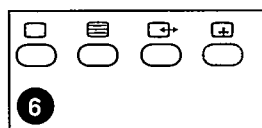
(The 'On-Screen-Display' allows you to see the information stored for a particular program number and TV station).



- Press the INFO button to display the information on the screen.
- Press the INFO button again to switch off the information display.

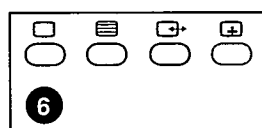
To display additional picture and sound information

To display additional picture and sound information



- Press and continue to hold the INFO button until additional information is displayed on the screen.

If you now make changes to the picture and sound using the appropriate buttons, then a **moving bar** is displayed which represents these changes as they are being made.



- Press the INFO button again to switch off the additional information display.

Additional features

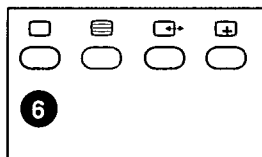
(This information only applies if your TV is able to receive Teletext).

Teletext - is an information system that displays text on your TV screen. Using the Teletext information system you can select a page of information on a subject that is available in its list of contents (index).



To operate Teletext

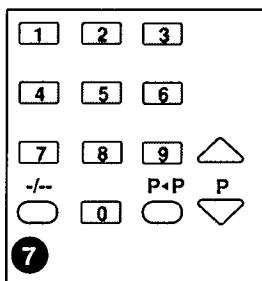
- Select a TV station on which Teletext is being transmitted (check with a TV program guide).
- Press the  button. Usually the list of contents (index) is displayed on the screen.



The following procedures apply only after Teletext has been selected:

To select a page of Teletext

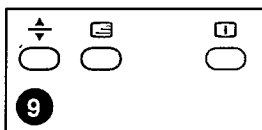
- Press the appropriate **digit** buttons for the required Teletext page number.



The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is displayed on the screen.

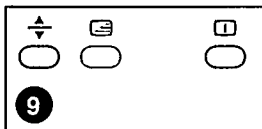
The return to the index page

- Press the  button to directly select the index page.
- Alternatively select the page number of the index (e.g. page 100).



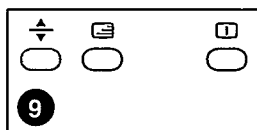
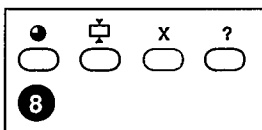
To select Teletext with a TV program

- Press the  button. The text is now superimposed over the TV program on the screen.
- Press the  button again to return to the Teletext page.



To switch between Teletext and the TV program

- Press the **X** button. The TV program appears, and  is displayed in the top left corner of the screen.
- Press the **X** button again to return to the Teletext page.



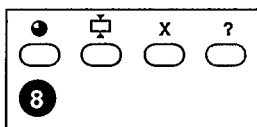
To select double height text

- Press the  button for the top half of the information page to be displayed in double height text.
- Press the  button for the bottom half of the information page to be displayed in double height text.
- Press the  button again for the full page of normal height text.

To reveal 'concealed' information

(Sometimes a Teletext page contains concealed information, for example in a quiz or puzzle.)

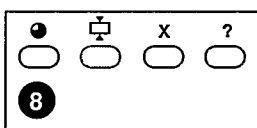
- Press the  button. The concealed information is then displayed on the screen.
- Press the  button again so that the concealed information is removed from the display.



To stop an automatic page-change

(More information may follow the page of Teletext you have selected; and it is automatically displayed after a short period of time).

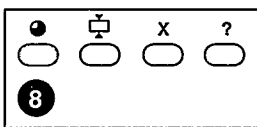
- Press the  button to stop the automatic page-change.
- Press the  button again so that the next page of text can be displayed.



To select a time-planned page

(You can select a page of Teletext information which can then be displayed on the TV screen at a certain time.)

- Select the required Teletext page.
- Press the  button.
- Select the required time by pressing four **digit** buttons (e.g. 20.10).



- Press the **X** button to return to a previously selected TV program

When the selected time is reached:

either,

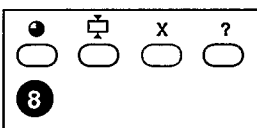
The required Teletext page is superimposed over the TV program

- Press the **X** button to remove the TV program from the screen.

or,

The time is displayed in the top right corner of the screen.

- Press the **X** button to display the Teletext page on the screen.
- Press the  button to cancel this 'time-planned page' selection.



Additional features

To select a subcode page

(Subcode pages are sub-sections of long teletext pages that can only be displayed on the screen one section at a time.)

- Select the required Teletext page.
- Press the  button.
- Press the **digit** button (for the required subcode page).
- If the subcode page is not immediately available then press the **X** button to return to the TV program. When the subcode page becomes available the subcode number is displayed in the top left corner of the screen.

- Press the **X** button to display the subcode page.

note: Time-planned and subcode pages are only available with certain pages on some Teletext broadcasts.

To select a Teletext subtitled TV program

Subtitles can only be displayed on the screen if the TV station adds this facility to the TV program - check with a TV program guide.)

- Select the Teletext page indicated in the TV program guide.
- The TV program with subtitles now appears on the TV screen.

To 'fast' select Teletext pages

(Sometimes a page of Teletext information can be selected quickly.)

- The next sequential page of Teletext information can be selected by pressing the **RED** button (e.g. page 101 can be selected after page 100).

or,

The subject-heading for the information may have a particular colour, or can be placed inside a coloured box.

- Press an appropriate **RED**, **GREEN**, **YELLOW** or **BLUE** button.

To exit Teletext

- Press the  button. The previously selected TV station appears again on the screen.

To display the time

- Press the  button. The current time is displayed in the top right corner of the screen. (e.g. 21.00).
- Press the  button again to remove the time display.

note: The time can only be displayed when Teletext is available on the selected TV station.

To connect a video recorder

(First you must refer to the operating manual supplied with your video recorder for connection details.)

- Switch off the TV before connecting the video recorder.
- Connect the TV aerial cable to the **TV** input on the video recorder.
- Connect one side of the cable supplied with the video recorder to the TV output of the video recorder and the other side of the cable to the **TV** input of the TV.

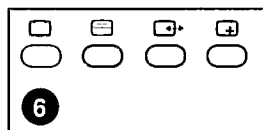
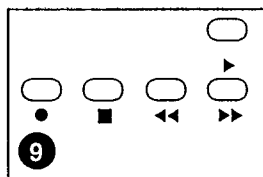
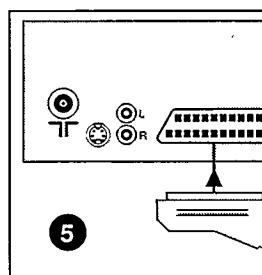
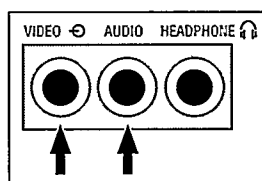
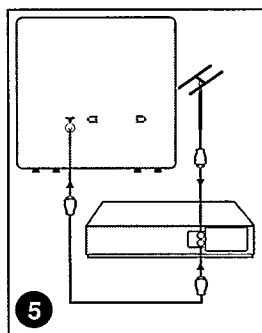
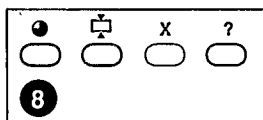
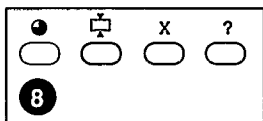
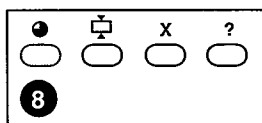
Additionally,

- A video recorder or camcorder can be connected at the video/audio input sockets (cinch type) at the front of the TV for 'playback' of tapes only.

or,

- The video recorder can also be connected at the Euroconnector socket at the back of the TV (a support-bracket is also provided for the Euroconnector cable on the back of the TV). The Euroconnector gives the advantage of stereo sound reproduction from a suitable video recorder.

note: To obtain an optimal sound and picture signal we advise that you do not connect the video/audio input sockets and the Euroconnector simultaneously.



Additional features

To store the video recorder signal on a program number

- Switch on the TV.
- Open the control-panel flap on the TV.



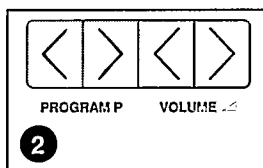
1. Insert a pre-recorded tape in the video recorder, and press the 'PLAY' button on the video recorder.



2. Press the  button so that the program number information is displayed.



3. Press the  button so that the TV automatically searches for the video signal. If necessary press this button again until the video signal is located.



4. Select an available program number by pressing the     program button on the TV.

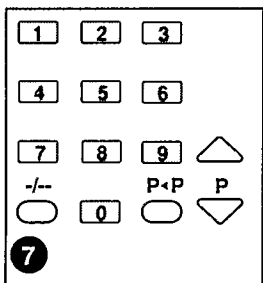
5. Press the  button to store the video signal on the selected program number.

6. Press the 'STOP' button on the video recorder.

- Close the control-panel flap on the TV.

To select the program number for the video recorder signal

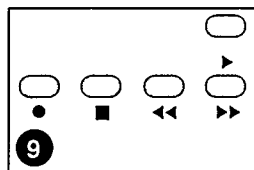
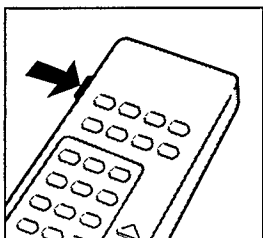
- Press the appropriate digit button (for the program number on which the video signal has been stored).
- To return to normal TV operation press another digit button to select a TV station.



If the Euroconnector or video/audio input sockets are used then refer to the section 'to select the device signal'.

To operate a video recorder using the remote control handset (The following information only applies if your video recorder uses the RC5 system for the remote control handset.)

- Press and continue to hold the button located on the side of the remote control handset before selecting any of the following functions:

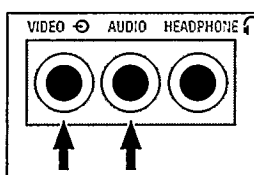


- Press the  button to 'PLAY' the video cassette.
- Press the  button to 'RECORD' on the video cassette.
- Press the  button to 'STOP' the video cassette.
- Press the  button to 'REWIND' the video cassette.
- Press the  button to 'FAST FORWARD' the video cassette.

To connect other devices e.g. computer, TV game, LaserVision player. (First you must refer to the operating manual supplied with the device.)

either,

A device with video (CVBS) output can be connected to the video/audio input sockets located on the front of the TV.



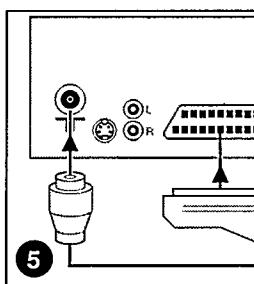
or,

A device with a Euroconnector can be connected to the Euroconnector socket located at the back of the TV (a support bracket is provided for the Euroconnector cable on the back of the TV).

or,

A device can be connected to the  socket located at the back of the TV.

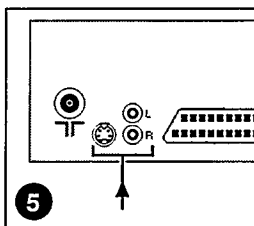
- Switch off the TV.
- Connect the device.



or,

● S-VHS video recorders, S-VHS camcorders and other equipment with an S-VHS output are connected to the S-VHS input at the back of the television set (only for playback).

The mini din socket on the back of the television is the input for the video signal of the equipment to be connected (brightness and colours). The cinch sockets on the back of the television are the audio inputs for the equipment to be connected (L left and R right).



To select the device signal

- Switch on the TV.

If the video/audio input sockets are used then:

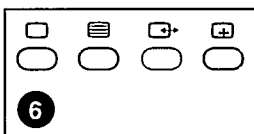
- Press the  button so that the device signal is received and EXT 1 is displayed on the screen.

If the Euroconnector is used then the device is available in either EXT 1 or EXT 2 mode:

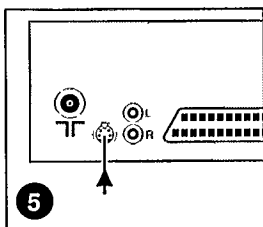
- Press the  button so that EXT 1 is displayed on the screen.

or,

- Press the  button again so that EXT 2 is displayed on the screen.

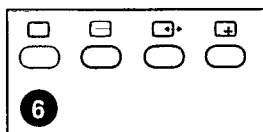


Additional features



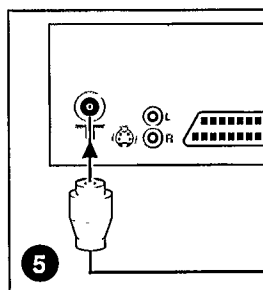
When the S-VHS input is used, the signal from the connected S-VHS equipment can be obtained by selecting EXT 3.

Press the key to receive the signal from the connected equipment and to display EXT 3 on the screen.

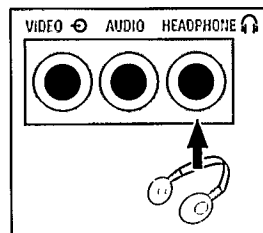


● To return to TV operation press the button.

Note: Certain devices connected to the Euro-connector socket will automatically switch the TV to receive the external signal.



If the 'TV' socket is used then the signal must be stored on a program number before it can be selected (refer to the section 'to store the video recorder signal on a program number').



TV To connect headphones
(The headphones used must be 8 to 1000 ohm, and 6.3 mm in diameter.)

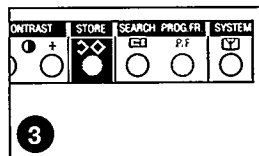
● Connect the headphones jack-plug to the socket located on the front of the TV.

Note: the loudspeakers are switched off automatically when the headphones are connected.

General information

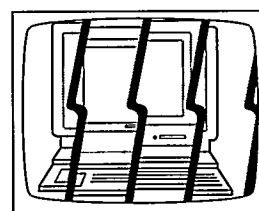
TV and To store TV stations directly
(First you must know the frequency on which the TV station is being transmitted.)

● Open the control-panel flap on the TV.



1. Press the **P/F** button to switch to frequency setting.
2. Select the frequency using three digit buttons on the remote control handset (e.g. to select channel E4; the digit buttons 062 must be pressed, and to select channel 69; the digit buttons 855 must be pressed).
3. Press the button to display the program number information.
4. Select a program number using the digit buttons on the remote control handset.
5. Press the button to store these changes.
6. Press the **P/F** button to switch to program number setting.

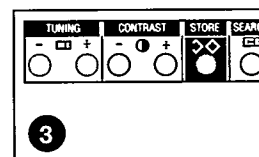
● Close the control-panel flap on the TV.



TV To fine tune the picture quality
(The picture from a TV station or a device such as a video recorder may be affected by interference, e.g. from other strong signal sources.)

The picture quality may be improved using the following method:

● Open the control-panel flap on the TV.

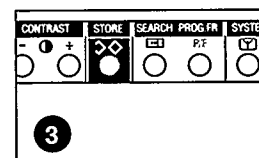


1. Press the button to display the program number information.
2. Press the or button, and release it immediately, so that the picture is fine tuned.
3. Press the button to store these changes.

● Close the control-panel flap on the TV.

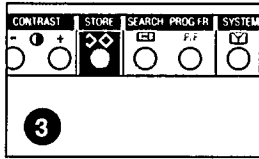
TV and To change the personal preference (PP) values

● Open the control-panel flap on the TV.



- Press the button on the TV to display the program number information.
- Change the picture and sound settings (e.g. volume, contrast) using the remote control handset or TV controls.

General information

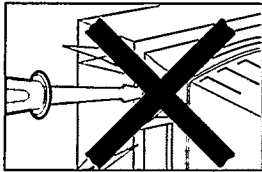


- Press the $\diamond$ button on the TV to store these changes. The program number information is now removed from the screen.

- Close the control panel flap on the TV.

To clean the TV screen

- It is possible to clean the TV screen using a slightly damp chamois leather. **Never** use aggressive cleaning agents.



Fault indication

IMPORTANT: Never attempt to repair a broken TV yourself; always consult a skilled TV service engineer.

If the TV does not give the desired picture or sound quality after switching on then check that:

- the aerial is connected properly.
- all controls and buttons are selected correctly.
- the selected TV station is not 'closed-down'.
- the TV is not incorrectly switched to EXT 1, EXT 2 or EXT 3.
- the sound is switched on (not 'muted').

switch off the TV if:

- Indications F0, F1, F2, F3, F4, F5, F6, or F7 are displayed on the screen.
- a bright white line is displayed across the screen.



Technical specification

Frequency ranges (depending on model supplied): refer to the table of TV system frequencies.

Selectable program numbers (for TV stations and devices): 60

Selectable TV systems (depending on model supplied): PAL-I, or, PAL B+G

Tuning the control system: PLL (phase locked loop)

Remote control received type: RC5

Sound reception: FM or NICAM

MONO/STEREO/DUAL/
SPATIAL EFFECT.

Connectors: Euroconnector, (SVHS) video/audio (cinch type), headphones (6.3 mm).

Safety: IEC 65

Voltage requirements: 220/240 V ~
 $\pm 10\%$, 50 Hz

PHILIPS



- (GB) **IDENTITY CARD** This card, together with the terms of guarantee (to be provided by your dealer), forms the full certificate of guarantee for this appliance.
- (D) **GERÄTE-KENNKARTE** Diese Karte ist, zusammen mit den Garantiebestimmungen, die Ihr Händler Ihnen aushändigt, Ihr Garantieschein für dieses Gerät.
- (F) **CARTE D'IDENTIFICATION** Associée aux conditions de garantie (qui vous sont remises par le revendeur), cette carte constitue le certificat de garantie de cet appareil.
- (NL) **IDENTIFICATIEKAART** Deze kaart vormt, samen met de garantievoorwaarden (welke door uw dealer verstrekt worden), het garantiebewijs voor dit apparaat.
- (I) **CARTE D'IDENTIFICAZIONE** Questa carta, in rappresentanza delle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio.
- (E) **TARJETA DE IDENTIFICACION** La garantía de este aparato se compone de esta tarjeta y de las condiciones de garantía que le entregará su concesionario.
- (P) **CARTÃO DE IDENTIFICAÇÃO** Este cartão, em conjunto com as condições de garantia em vigor (exp. cedas pelo seu vendedor) constitui o certificado de garantia do seu aparelho.
- (DK) **I.D.KORT** Dette kort, udfyldt af Deres forhandler, er tilstrækkeligt garantidokumentation for dette apparat.
- (N) **IDENTIFIKASJONSKORT** Dette kort, sammen med garantibetingelsene (som Du får av forhandleren) utgjør garantibevist for dette apparat.
- (S) **IDENTIFIERINGSKORT** Dette kort tillsammans med garantivilkoren, som Du får av radchaffären, utgör ett fullständigt garantibevis för denna produkt.
- (SF) **TUNNISTUSKORTTI** Tämän laitteen takuutodistus muodostuu tästä kortista ja takuuehdosta (alteenmyyjä antaa mukaan).
- (GR)