0 000000 000816

25GR9660
25GR9760
28GR9670
28GR9770 /25GR9960
28GR9970 28GR9677

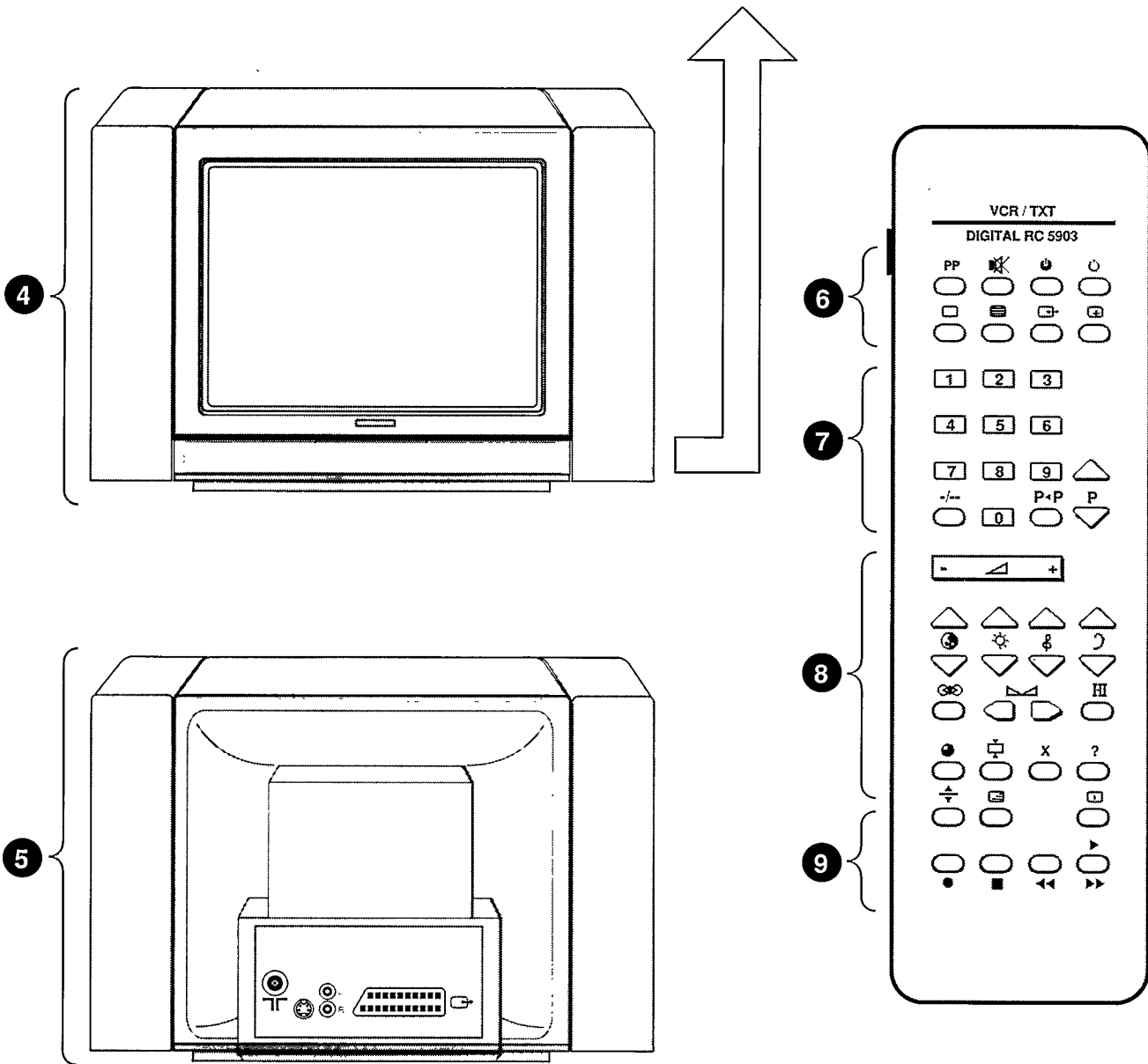## COLOUR TELEVISION
FARBFERNSEHER
TÉLÉVISEUR COULEUR
KLEURENTELEVISIE
TELEVISIORE A COLORI
TELEVISOR EN COLOR
TELEVISÃO A CORES
ΕΓΧΡΩΜΗ ΤΗΛΕΟΡΑΣΗ

1 POWER

2 PROGRAM P   VOLUME

3 TUNING   CONTRAST   STORE   SEARCH   PROG.FR   SYSTEM

VIDEO AUDIO HEADPH.

4

5

6 VCR / TXT

DIGITAL RC 5903

PP

7 1 2 3
4 5 6
7 8 9
-/-- 0 P◄P P

8
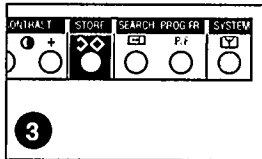
9

Adjusting the TV

3
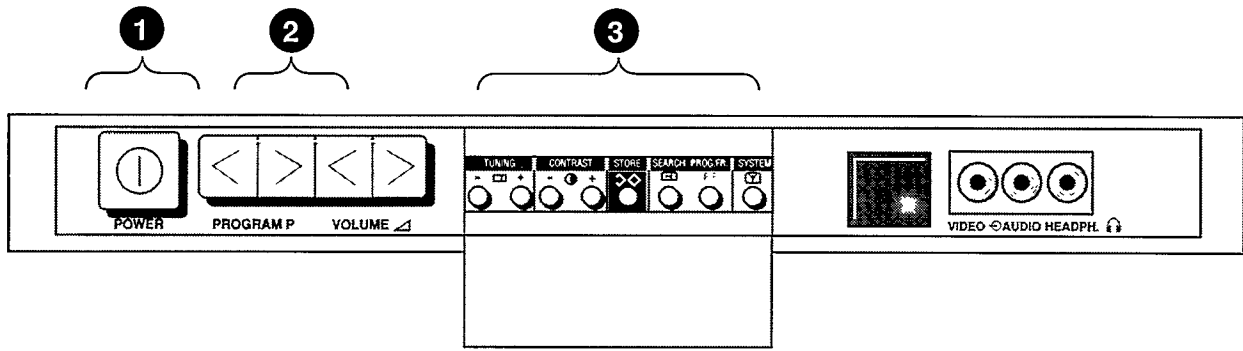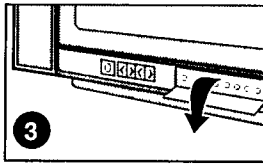
The control buttons needed to select the TV system and store the TV stations are located beneath the control-panel flap on the front of the TV. You must pull this flap forward to access the control buttons during installation and can close it once any required changes have been made.

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

3

TV **To select the TV system (P/S, PAL-I, SECAM)**
(This information only applies if your TV can receive several TV systems).
● Press the ⊤ button to select the available systems.
If P/S is displayed on the screen then you have selected the PAL or SECAM B + G system.
If PAL-I is displayed on the screen then you have selected the PAL-I system. If SECAM is displayed on the screen then you have selected the SECAM L system.
● To change your selection press the ⊤ button again, until the system you require is displayed on the screen.

3

TV **To store TV stations on program numbers**
(Upto 60 TV stations can be stored on program number using the following method.)
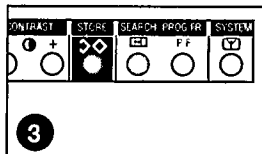
1. Press the ◇◇ button, so that information is displayed on the screen about the current program number.
2. Press the ▶❙ button so the TV **automatically** searches until a TV station is found and displayed on the screen. Press this button again if you want to continue searching.

2
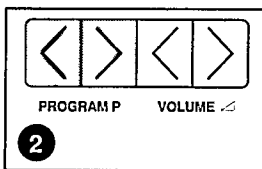
3. Select the required program number (0 to 59) by pressing the ⟨ P or ⟩ P program button. The selected program number is displayed on the screen.

4. Press the ◇◇ button to store this selection. The program number information is now removed from the screen.
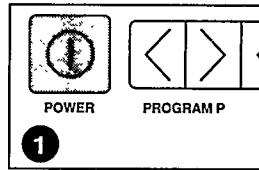
Repeat steps 1 to 4 until all the TV stations you require have been stored on program numbers.

● 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

1

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

● Switch on the TV by pressing the ① power button located on the front of the 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.
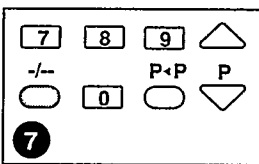● Press a different **digit** button to make another selection.

7
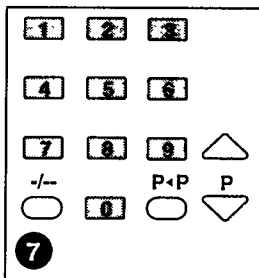
To select TV stations using program number 10 to 59
● Press the -/-- button.
P-- is displayed on the screen.
● Press **two** appropriate **digit** button. The selected program number and TV station now appear on the screen.
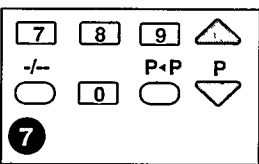● Repeat the above procedure to make another two-digit program selection.

7
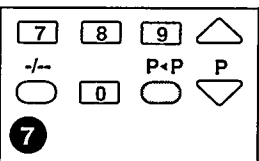
To select a lower or higher program number
● Press the ▽ P button to select a **lower** program number.
● Press the △ P button to select a **higher** program number.

7
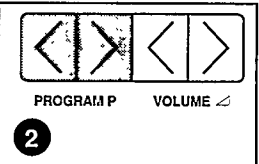
To select the previously used program number
● Press the P ◀ P button to select the previous program number.

7

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.
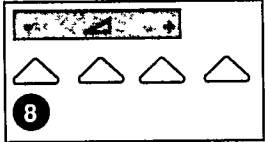

2

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).
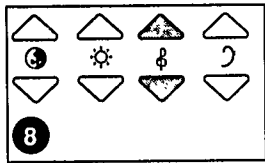
Sound settings

To change the volume (⊿)
- Press the - button to decrease the volume.
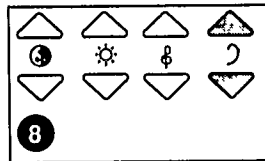- Press the + button to increase the volume.

⑧

To change the treble setting (♪)
- Press the △ button to increase the amount treble in the sound.
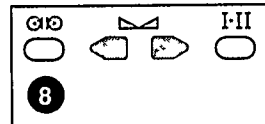- Press the ▽ button to decrease the amount of treble in the sound.

⑧

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.
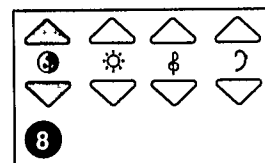
⑧

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.

⑧

Picture settings

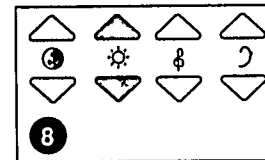**To change the colour intensity (❸)**
- Press the △ button to increase the colour intensity.
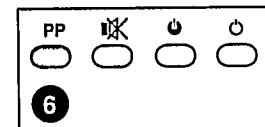- Press the ▽ button to decrease the colour intensity.

⑧

To change the brightness (☼)
- Press the △ button to increase the brightness.
- Press the ▽ button to decrease the brightness.

⑧

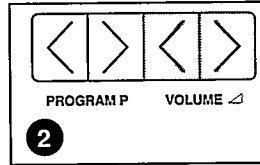**To return to the personal preference settings**
- Press the PP button.

⑥

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.

PROGRAM P   VOLUME ⊿

②

To change the contrast of the picture (❶)
- 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.

TUNING   CONTRAST   STORE SEARCH

③
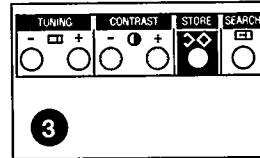
TV and ⊠ To select protected switch on mode
(Sometimes you may want to prevent other people switching on your TV when you are not present.)

- Open the control panel flap on the TV
- Press the 〈 P and - ❶ 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.

TUNING   CONTRAST   STORE

POWER   PROGRAM P   VOLUME ⊿

② & **③**

- 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).
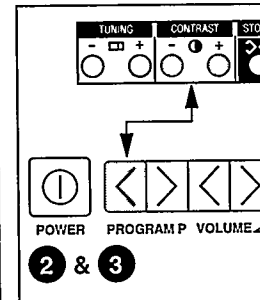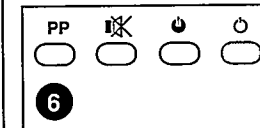

⊠ To select stand-by mode
The TV can be put into stand-by mode in **three** ways:

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.

PP   ⫶⫶̸   ⏻   ⏻

⑥

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).

PP   ⫶⫶̸   ⏻   ⏻

⑥

5
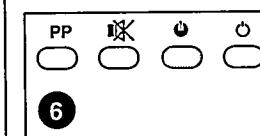
Operating the TV

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.
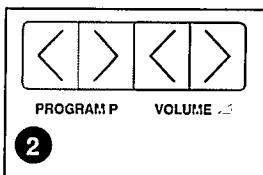
TV or ⬘ To switch on the TV from stand-by mode
● Press a **digit** button on the remote control handset so that a program number is selected.
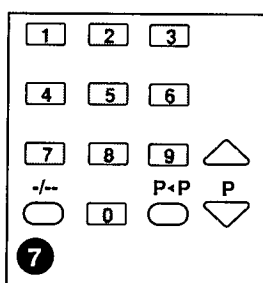
or,
● Press the ⟨ **P** or ⟩ **P** button located on the front of the TV.

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

TV To select the sound system
There are **three** sound system possibilities:

1. DUAL sound
This means that if DUAL I is displayed on the screen that a TV broadcast is being transmitted in two languages.

To select the second language
● Press the I-II button to hear the second language. DUAL II is then displayed on the screen.
● Press the I-II button again to return to the original language broadcast. (DUAL I is again displayed on the screen.)
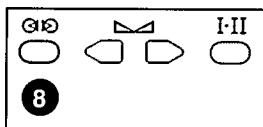
2. STEREO sound
This means that if STEREO is displayed in GREEN on the screen that the TV broadcast is being transmitted with stereo sound.

### To select MONO sound (when the TV broadcast is in stereo)
● Press the I-II button. STEREO is displayed in RED on the screen (the sound is now MONO).
● Press the I-II button again to return to the original stereo sound broadcast STEREO is again displayed in GREEN on the screen.
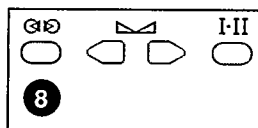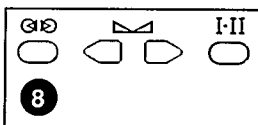
3. SPATIAL sound
This special sound effect can be used to change the sound-quality of a TV broadcast.

To select SPATIAL sound
● Press the ꟾꟾꟾ button to hear the spatial sound effect.
ꟾꟾꟾ is displayed on the screen.
● Press the ꟾꟾꟾ button again to switch off the spatial sound effect.
ꟾꟾꟾ is removed from the screen.

⬘ To switch off the sound
● Press the ꟾ⬙ button to switch off ('mute') the sound.
ꟾ⬙ is displayed on the screen.
● Press the ꟾ⬙ button again to switch the sound on.
ꟾ⬙ is removed from the screen.
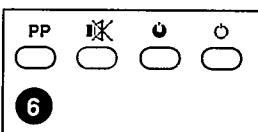
⬘ To display picture and sound information
(The 'On-Screen-Display' allows you to see the information stored for a particular program number and TV station).
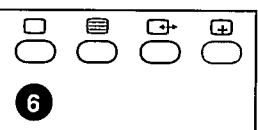● Press the ⊕ button to display the information on the screen.
● Press the ⊕ button again to switch off the information display.
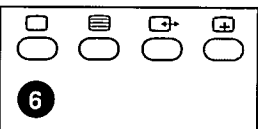
To display additional picture and sound information
To display additional picture and sound information
● Press and continue to hold the ⊕ button until additional information is displayed on the screen.

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.
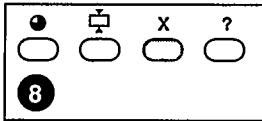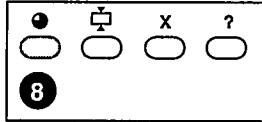
● Press the ⊕ button again to switch off the additional information display.

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 programme. 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 programme
Subtitles can only be displayed on the screen if the TV station adds this facility to the TV programme - check with a TV programme guide.)
● Select the Teletext page indicated in the TV programme guide.
The TV programme 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).
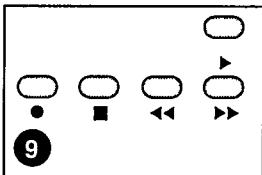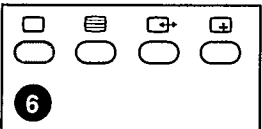
or,
The subject-heading for the information may have a particular colour, or can be placed inside a coloured box.
● Press an appropriate RED, GREEN, YELLOW or BLUE button.

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.
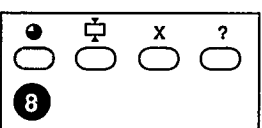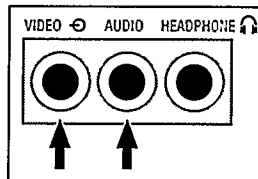
TV To connect a video recorder
(First you must refer to the operating manual supplied with your video recorder for connection details.)
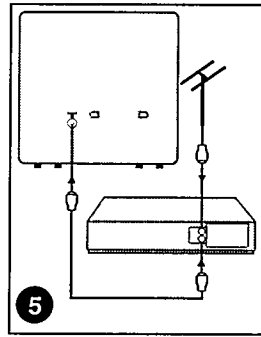
● Switch off the TV before connecting the video recorder.
● Connect the TV aerial cable to the 'Π' input on the video recorder.
● Connect one side of the cable supplied with the video recorder to the TV output of the video recorder and the other side of the cable to the 'Π' input of the TV.

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.

VIDEO ⊖ AUDIO HEADPHONE ⌂

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.
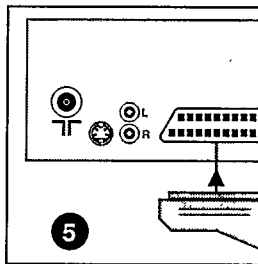
note: To obtain an optimal sound and picture signal we advise that you do not connect the video/audio input sockets and the Euroconnector simultaneously.
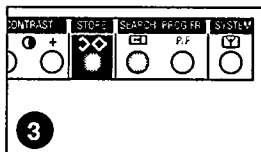
TV To store the video recorder signal on a program number

● 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.
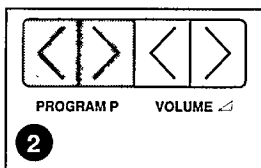
4. Select an available program number by pressing the ⟨ P or ⟩ P program button on the TV.
5. Press the ◇◇ button to store the video signal on the selected program number.
6. Press the 'STOP" button on the video recorder.

● Close the control-panel flap on the TV.

Additional features

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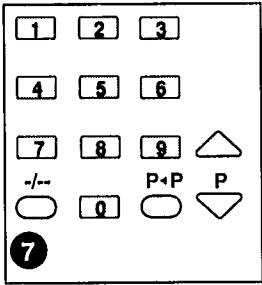
If the Euroconnector or video/audio input sockets are used then refer to the section 'to select the device signal'.

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.)
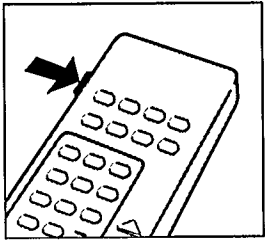
- Press and continue to hold the button located on the side of the remote control handset before selecting any of the following functions:
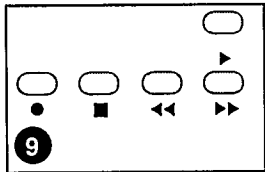
- Press the ▶ button to 'PLAY' the video cassette.
- Press the ● button to 'RECORD' on the video cassette.
- Press the ■ button to 'STOP' the video cassette.
- Press the ◀◀ button to 'REWIND' the video cassette.
- Press the ▶▶ button to 'FAST FORWARD' the video cassette.

TV 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.

VIDEO ⊕ AUDIO HEADPHONE ∩
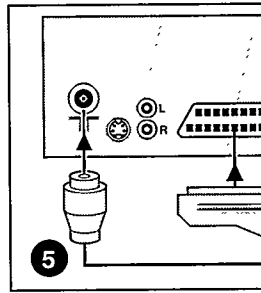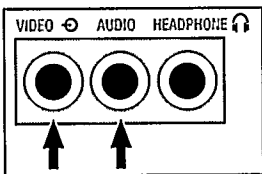
or,
A device with a Euroconnector can be connected to the Euroconnector socket located at the back of the TV (a support bracket is provided for the Euroconnector cable on the back of the TV).

or,
A device can be connected to the ⊤⊤ socket located at the back of the TV.
- Switch off the TV.
- Connect the device.
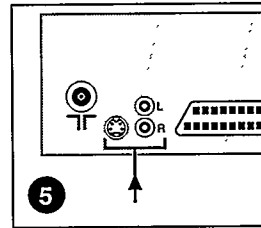
or
S-VHS video recorders, S-VHS camcorders and other equipment with an S-VHS output are connected to the S-VHS input at the back of the television set (only for playback).

- 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).
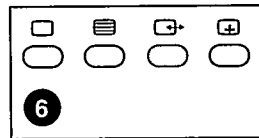
- The cinch sockets on the back of the television are the audio inputs for the equipment to be connected (L left and R right).

To select the device signal
- Switch on the TV.

If the video/audio input sockets are used then:
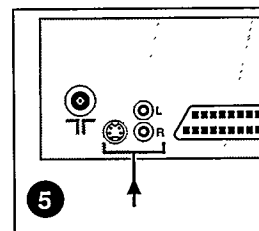- Press the ⊡⁺ button so that the device signal is received and EXT 1 is displayed on the screen.

If the Euroconnector is used then the device is available in either EXT 1 or EXT 2 mode:
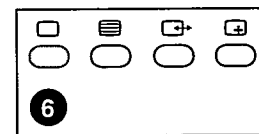- Press the ⊡⁺ button so that EXT 1 is displayed on the screen.

or,
- Press the ⊡⁺ button again so that EXT 2 is displayed on the screen.

When the S-VHS input is used, the signal from the connected S-VHS equipment can be obtained by selecting EXT 3.
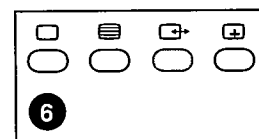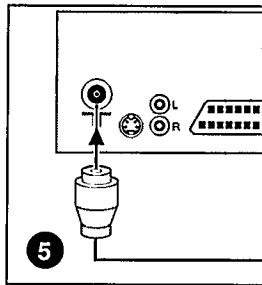
Press the ⊡⁺ key to receive the signal from the connected equipment and to display EXT 3 on the screen.

- 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.

9

Additional features

If the ⊤ 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').
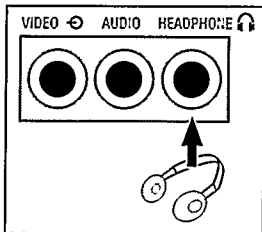
TV To connect headphones
(The headphones used must be 8 to 1000 ohm, and 6.3 mm in diameter.)
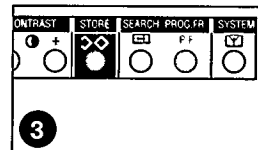● Connect the headphones jack-plug to the ⌂ socket located on the front of the TV.

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.)
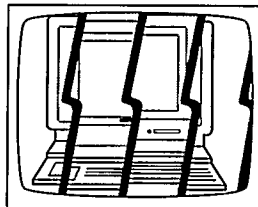
● Open the control-panel flap on the TV.

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.
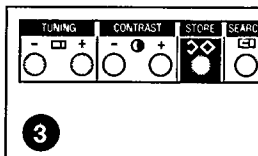6. Press the P/F button to switch to program number setting.

● 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:
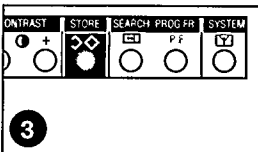● Open the control-panel flap on the TV.

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.
● Press the ◇◇ 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