COLOR
TELEVISION

GRUNDIG

XEPHIA 42
PW 110-5501 TOP

DEUTSCH
ENGLISH
FRANÇAIS
ITALIANO
NEDERLANDS
TÜRKÇE
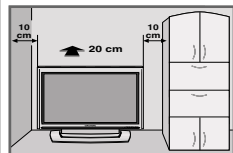POLSKI

CONTENTS _____

SET-UP AND SAFETY _____

Please note the following information when setting up your television set.

This television set is designed to receive and display video and audio signals.
Any other use is expressly prohibited.

The ideal viewing distance is 5 times the screen diagonal.
External light falling on the screen impairs picture quality.

Ensure sufficient clearance between the TV and the wall cabinet.

The television set is designed for use in dry rooms. If you do use it in the open, please ensure that it is protected from moisture, such as rain or splashing water. Do not expose the television set to any moisture.

Do not place any vessels such as vases on the television, as they may spill liquid, thus presenting a safety risk.
Place the television set on a solid, level surface. Do not place any objects such as newspapers on the television set or cloth or similar items beneath it.
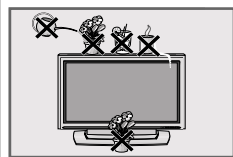
Do not place the television set close to heating units or in direct sunlight, as this will impair cooling.
Heat build-up can be dangerous and shortens the operating life of the television set. For reasons of safety, have a specialist remove any dirt deposits in the set from time to time.
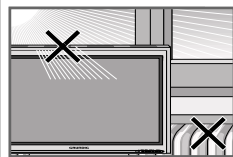
Do not open the television set under any circumstances. Warranty claims are excluded for damage resulting from improper handling.

Ensure that the mains cable and the mains adapter are not damaged.
The television set may only be operated with the mains cable/adapter supplied.
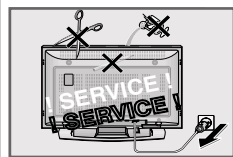
Thunderstorms are a danger to all electrical devices. Even if the television set is switched off, it can be damaged by a lightning strike to the mains or the antenna cable. Always disconnect the mains and antenna plugs during a storm.

Only clean the plasma screen with a chamois leather and commercially available glass cleaner.
Only clean the housing of the plasma television with a damp, soft cloth, and plain water.
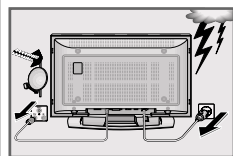
The Plasma screen is equipped with a glass plate. If the device is subjected to excessive strain, for example through vibration, bending or heat shocks the glass plate can break.
Do not hit or put pressure on the glass plate.
Should the glass plate be damaged, pull out the main plug immediately.

ENGLISH

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SET-UP AND SAFETY

Plasma screens use the principle of luminescent material. This technology can suffer sticking effects under certain operating conditions. This can include:
– Prolonged display of a freeze-frame
– Constant display of the same background
– Use of a picture format (such as 4:3) which does not fill the screen.

Once these sticking effects occur, they cannot normally be reversed.
To avoid sticking effects please note:
– During the first 100 operating hours, ensure that the television displays mostly moving pictures or frequently changing stills which fill the screen
– Use a picture format which fills the screen (16:9)
– Always activate the screensaver when using a PC
– Decrease the contrast and brightness as much as possible
– Switch off the device when it is not in use

If a freeze-frame is on the Plasma screen for a very long time (several hours), it is possible that this will be visible as a ghosting effect for some time when you switch to another channel. However, after a certain amount of time this ghosting disappears again.
This can be caused by a type of memory effect. In order to prevent this effect, we recommend activating the screen saver when using a PC.

After a lengthy period without use (longer than one year) a temporary colour discrepancy is possible in some circumstances.
This effect is normal for plasma screens. After a while these colour discrepancies disappear again.

A plasma screen is made up of around. 1.2 million colour pixels.
Within the industrial standard tolerance, a very small number of pixels (0.001 %) can be defective. This is not regarded as a device defect under the terms of the warranty.

The plasma screen functions with inert gases and air pressure.
At 2,000 m above sea-level or higher, the picture can become unstable and the picture quality is reduced. However, when the device is returned to below 2,000 m above sea-level, this effect disappears and the device functions perfectly.

Note:
Do not connect any other equipment while the device is switched on. Switch off the other equipment as well before connecting it.
Only plug the device into the mains socket after you have connected the external devices and the antenna.

Mounting the table base

Diagrams are contained in the assembly instructions enclosed with the table base.

1 Fasten the two brackets to the table base using the hex socket screws supplied.

2 Remove four fixing screws for each bracket from the back of the device.

3 Place the stand on a level surface.

4 Put the device on top of the stand.

5 Fasten the stand to the device by screwing four screws to the back of the device for each bracket.

Connecting the antenna and the mains cable

1 Plug the antenna cable of the rooftop antenna into the »ANT« antenna socket on the television.

2 Plug the mains cable supplied into the mains socket of the television.

3 Plug the power cord into a wall socket.

Note:
Only plug the device into the mains socket after you have connected the external devices and the antenna.

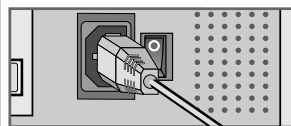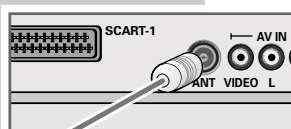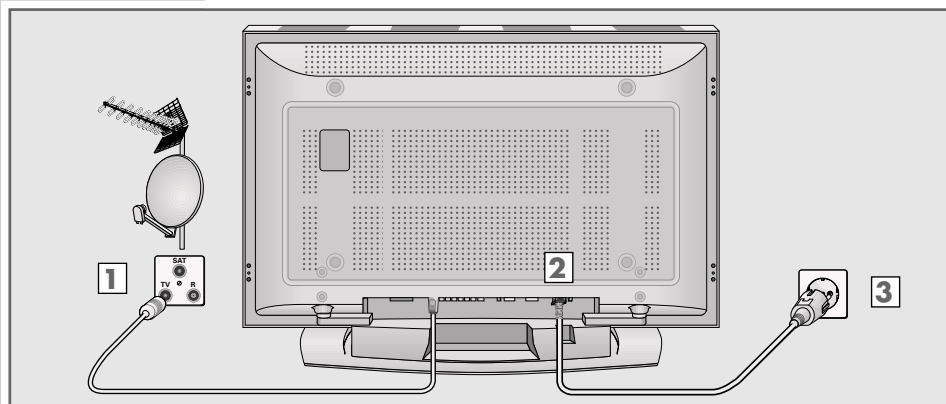Only connect the television using the power cord supplied to a suitable earthed safety socket.

Do not use an adapter plug or extension lead which does not meet the applicable safety standards. Do not tamper with the power cord.

CONNECTION/PREPARATION

Connecting the HiFi system

If you wish to have sound of a quality that matches the ideal picture provided by your television, we recommend connecting the television to a HiFi system.
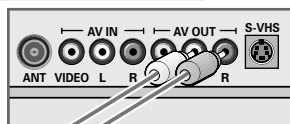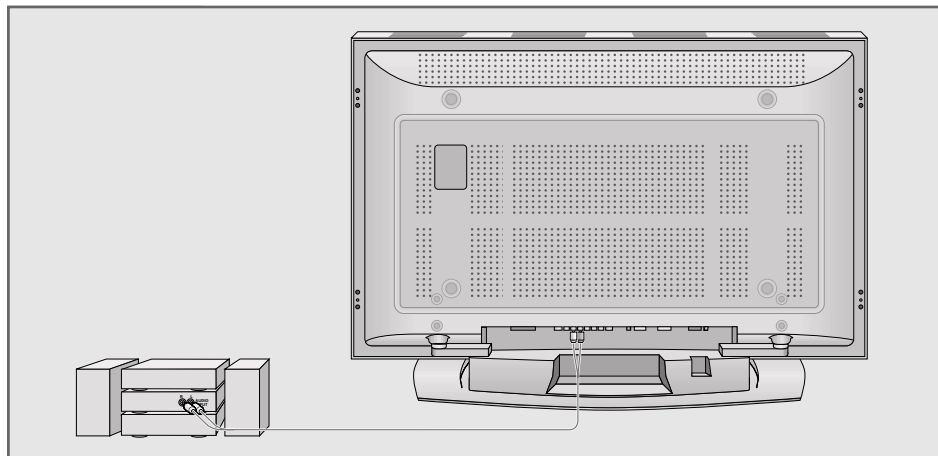
1 Connect the white and red sockets »**AV OUT L R** « on the television and the corresponding sockets on the HiFi with a cinch cable.

Inserting batteries in the remote control
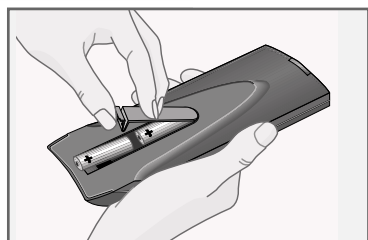
1 Open the battery compartment by removing the lid.

2 Insert the batteries (Mignon type, for example UM-3 or AA, 2x1,5V). Observe the polarity (marked on the base of the battery compartment).

3 Close the battery compartment.

Note:
If the television no longer reacts properly to remote control commands, the batteries may be flat. Be sure to remove used batteries.
The manufacturer accepts no liability for damage resulting from used batteries.

Environmental note
Batteries, including those which contain no heavy metal, may not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Find out about the legal regulations which apply in your area.

OVERVIEW

Connections on the television
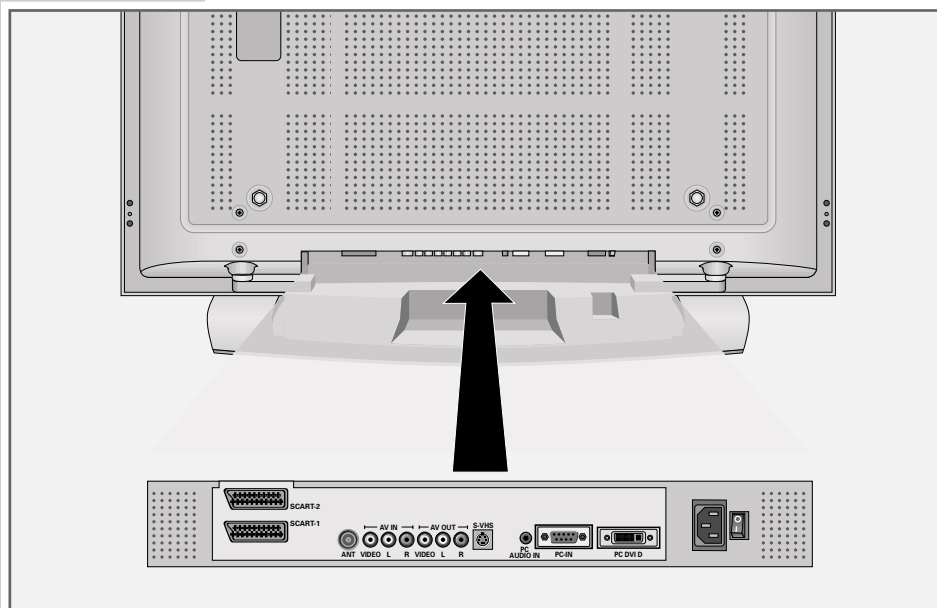
SCART 2	Euro/AV socket (FBAS).
SCART 1	Euro/AV socket (FBAS, RGB).
ANT	Antenna socket.
AV IN **VIDEO L R**	Audio/video input.
AV OUT **VIDEO L R**	Sound/picture output.
S-VHS	S-VHS video input.
PC AUDIO IN	Sound signal input for PC.
PC-IN	VGA connection for PC.
PC DVI-D	DVI-D connection for PC.
	Socket for the mains cable.
O/I	Power switch, switches the device to and from standby mode.

OVERVIEW

Controls on the television

⏻●	Operation indicator Red – standby Blue – operation.
TV/AV	Opens the pre-selection for AV channels. Select within the menu with »**+ P**« or »**P –**«, confirm with »◢ –«.
MENU	Opens the »INFO« menu Press »◢ –« to select an item Press »◢ –« to activate a function Press »**+** ◢ **–**« to set a function Press »**MENU**« to close the menu
+ P –	Switch the television on from standby Channel selection Select a function in the menu
+ ◢ **–**	Adjust the volume Select menu functions

The remote control
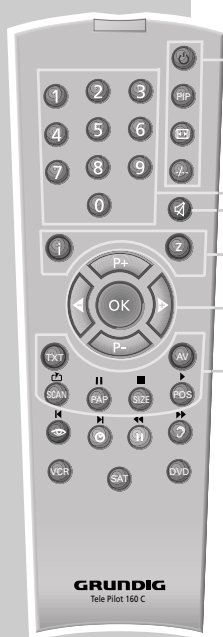
⏻		Switches off the television set (standby).
PIP		Shows an inset picture; activates the double window function (two different TV programmes on separate halves of the screen); switches back to normal size.
⧉		Switches between picture formats; page stop in teletext mode.
-/--		Shows information on channel position; switches to double character size in teletext mode.
1...0		Switch the television on from standby mode; select channels directly.
⊄		Sound on/off (mute).
i		Opens and closes the »MAIN MENU«; closes all menus.
Z		Zap function.
P+, P-		Switches the television on from standby; selects stations step by step; moves the cursor in the menus up and down.
◄ ▷		Adjust the volume; move the cursor left/right.
OK		Calls up the preset list; activates various functions.
TXT		Switches from TV mode to teletext mode and back to TV mode.
AV		Opens the pre-selection for AV channels. Then selection with **P+** or **P-**.
SCAN		Reveals answers in teletext mode.
PAP		Activates the double window function (TV image and teletext on separate halves of the screen).
SIZE		Changes the size of the inset picture; selects sub-pages in teletext mode.
POS		Changes the position of the inset picture; updates a page in teletext mode.

👁	Selects various picture settings; moves back a page in teletext mode.
🕐	Time on; moves to the next page in teletext mode.
◫	Freeze-frame; selects the chapter in teletext mode.
🔊	Selects various sound settings; selects a topic in teletext mode.
VCR, SAT DVD	Switches to operating a GRUNDIG video recorder, a GRUNDIG satellite receiver or a GRUNDIG DVD player.

Keep the appropriate button (»**VCR**«, »**SAT**«, »**DVD**«) pressed down. Then press the appropriate button.

Note:
The functions available depend on the model of the device you are using.
Just try it out.

SETTINGS

Setting television channels automatically

Sprache		
Deutsch	Português	Türkçe
Dansk	Svenska	Ελληνικά
Español	Suomi	Hrvatski
Français	Česky	Русский
English	Slovenščina	Română
Italiano	Slovensko	Српски
Norsk	Magyar	Български
Dutch	Polski	

Auswählen	Zurück
und bestätigen	Ende

The television set is equipped with an automatic channel search system.
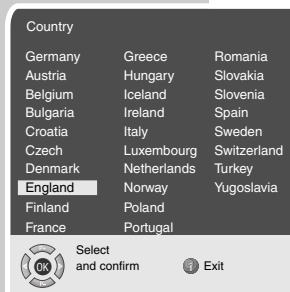
You start the search and can then sort the television channels into your order of preference.

99 preset positions are provided, to which you can assign television channels from the antenna or from the cable connection.

1 Switch on the television with »**IO**« on the television set, then press »**P+**« on the remote control.
 – The »Sprache« (Menu language) menu appears when the television is first switched on.
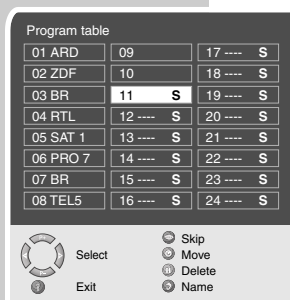
Hint:

If the »Sprache« (Menu language) menu does not appear on the screen, then set it in accordance with the chapter on resetting all television channels on page 30.

Country		
Germany	Greece	Romania
Austria	Hungary	Slovakia
Belgium	Iceland	Slovenia
Bulgaria	Ireland	Spain
Croatia	Italy	Sweden
Czech	Luxembourg	Switzerland
Denmark	Netherlands	Turkey
England	Norway	Yugoslavia
Finland	Poland	
France	Portugal	

Select and confirm	Exit

2 Select language with »**P+**«, »**P-**«, »◀« or »▶« and press »**OK**« to confirm.
 – The »Country« menu appears.

3 Press »**P+**«, »**P-**«, »◀« or »▶« to select the country and »**OK**« to confirm.
 – The search begins. It may last a few minutes, depending on the number of television stations found.
 – After the search the television switches to channel position 1 and the »Program table« menu appears.

Changing stored channels

You can delete channels that have been stored more than once during the automatic search. You can also store channels in a different preset position, change or enter the name of a channel as well as skip channels.

Deleting channels

Program table					
01 ARD	09		17 ----	**S**
02 ZDF	10		18 ----	**S**
03 BR	11	**S**	19 ----	**S**
04 RTL	12 ----	**S**	20 ----	**S**
05 SAT 1	13 ----	**S**	21 ----	**S**
06 PRO 7	14 ----	**S**	22 ----	**S**
07 BR	15 ----	**S**	23 ----	**S**
08 TEL5	16 ----	**S**	24 ----	**S**

Select	Skip
	Move
Exit	Delete
	Name

1 In the »Program table« menu, select the station to be deleted with »**P+**«, »**P-**«, »◀« or »▶«.

2 Highlight the channel with »◫◫« (yellow).

3 Press »◫◫« (yellow) to delete the channel.

Note:

To delete other stations, repeat steps **1** and **3**.

Sorting television channels

1 In the »Program table« menu, select the channel to be moved with with »**P+**«, »**P-**«, »◀« or »▶«.

2 Highlight the channel with »⏱« (green).

3 Select a new channel position by pressing »**P+**«, »**P-**«, »◀« or »▶« and then press »⏱« to confirm.
– All of the channels that follow move up one position.

Note:
To sort the other television channels repeat steps **1** to **3**.

**Entering the channel names
(maximum of 5 characters)**

1 In the »Program table« menu, select the desired channel with »**P+**«, »**P-**«, »◀« or »▶«.

2 Highlight the channel with »✧« (blue).

3 Select letters or numbers with »**P+**« or »**P-**«, move to the next position with »◀« or »▶« and repeat.

4 Store the channel name with »**OK**«.

Note:
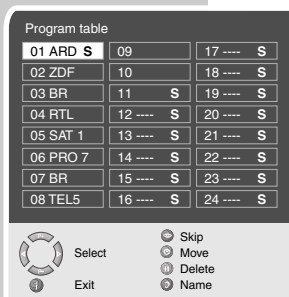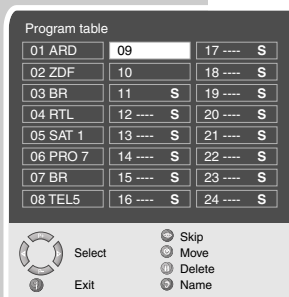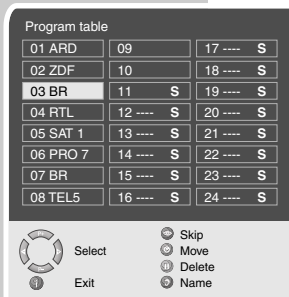To enter additional channel names, repeat steps **1** to **4**.

Skipping television channels

You can mark television channels which should be skipped during selection with »**P+**« or »**P-**«. A selection with the number keys is also possible.

1 In the »Program table« menu, select the desired channel with »**P+**«, »**P-**«, »◀« or »▶«.

2 Highlight the channel with »👁« (red).
– An »S« appears behind the name of the television station.
– You can deselect the selected channel by pressing the red button again.

Concluding the settings

1 Press »**i**« to finish the settings.

Program table

01 ARD	09		17 ----	S
02 ZDF	10		18 ----	S
03 BR	11	S	19 ----	S
04 RTL	12 ----	S	20 ----	S
05 SAT 1	13 ----	S	21 ----	S
06 PRO 7	14 ----	S	22 ----	S
07 BR	15 ----	S	23 ----	S
08 TEL5	16 ----	S	24 ----	S

Select — Skip / Move
Exit — Delete / Name

Program table

01 ARD	09		17 ----	S
02 ZDF	10		18 ----	S
03 BR	11		19 ----	S
04 RTL	12 ----	S	20 ----	S
05 SAT 1	13 ----	S	21 ----	S
06 PRO 7	14 ----	S	22 ----	S
07 BR	15 ----	S	23 ----	S
08 TEL5	16 ----	S	24 ----	S

Select — Skip / Move
Exit — Delete / Name

Program table

01 ARD	S	09	17 ----	S
02 ZDF		10	18 ----	S
03 BR		11	S	19 ----	S
04 RTL		12 ----	S	20 ----	S
05 SAT 1		13 ----	S	21 ----	S
06 PRO 7		14 ----	S	22 ----	S
07 BR		15 ----	S	23 ----	S
08 TEL5		16 ----	S	24 ----	S

Select — Skip / Move
Exit — Delete / Name

SETTINGS

Picture settings

Picture

Brightness	39
Contrast	
Colour	
Sharpness	
Hue	
Noise reduction	Sharp
Picture smart	User

Select and edit Back Exit
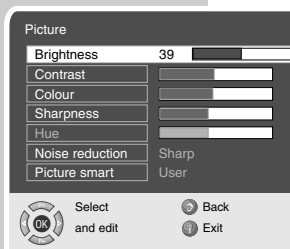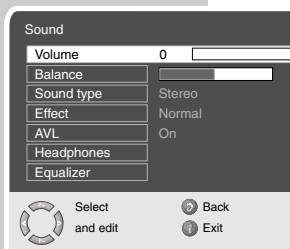
1 Press »i« to open the »MAIN MENU«.
   – The »MAIN MENU« appears.

2 Select »Picture« with »P+« or »P-« and confirm with »OK«.
   – The »Picture« menu appears.

3 Select »Default settings« with »P+« or »P-« and the setting »User« with »◀« or »▶«.

4 Select »Brightness«, »Contrast«, »Colour«, »Sharpness« or »Noise reduction« with »P+« or »P-« and press »OK« to confirm.

   Note:
   The setting »Hue« only applies to NTSC programmes (e.g. for playback of American television programmes on the video recorder).

5 Press »◀« or »▶« to select the level, and then press »OK« to confirm.

6 Press »i« to finish the settings.

Audio settings

Sound

Volume	0
Balance	
Sound type	Stereo
Effect	Normal
AVL	On
Headphones	
Equalizer	

Select and edit Back Exit

1 Press »i« to open the »MAIN MENU«.
   – The »MAIN MENU« appears.

2 Select »Sound« with »P+« or »P-« and confirm with »OK«.
   – The »Sound« menu appears.

   Note:
   Further operation is explained in the following sections.

Volume

1 Select »Volume« with »P+« or »P-« and adjust the setting with »◀« or »▶«.

Balance

1 Select »Balance« with »P+« or »P-« and adjust the setting with »◀« or »▶«.

SETTINGS

Stereo / two channel, mono

If the device receives two channel programmes, e.g. a film with the original sound on sound channel B (display: »Dual B «) and the dubbed version on sound channel A (display: »Dual A«), you can select the sound channel you desire.

If the device receives stereo or Nicam programmes, it switches automatically to stereo sound (display: »Stereo«).

You can switch the sound to »Mono« if the stereo reception quality is poor.

1   Select »Sound type« with »**P+**« or »**P-**« and adjust the setting with »◀« or »▶«.

Stereo width

Widens the audio output for stereo programmes and improves the sound with mono reception.

1   Select »Sound type« with »**P+**« or »**P-**«.

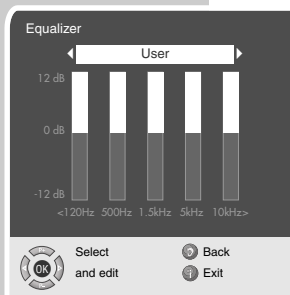2   Press »◀« or »▶« to select the setting.

Automatic volume

The television channels broadcast at different volumes. The automatic volume limiting (AVL) function means the volume is kept the same when you switch between channels.

1   Select »AVL« with »**P+**« or »**P-**« and then select »On« with »◀« or »▶«.

Equaliser

The equaliser offers you four preset sound settings (Music, Sport, Cinema and Dialogue) and one which you can create yourself (User).

1   Select »Equalizer« with »**P+**« or »**P-**« and confirm with »**OK**«.
    – The »Equalizer« menu appears.

2   Select the audio setting »User« with »**P+**« or »**P-**« and confirm with »**OK**«.
    – The frequency band »120 Hz« is activated.

3   Set the desired value with »**P+**« or »**P-**« and select the next frequency band with »◀« or »▶«.

4   Press »◌« (blue) to save the setting.

Concluding the settings

1   Press »**i**« to finish the settings.

Equalizer

User

12 dB

0 dB

-12 dB

<120Hz 500Hz 1.5kHz 5kHz 10kHz>

OK Select and edit

Back

Exit

TELEVISION OPERATION

Basic functions

Switching on and off

1 Press »**IO**« on the television set to switch it to standby.

2 Press »**1...0**« or »**P+**« or »**P-**« to switch on the device from standby mode.

3 Press the »⏻« button to switch the television to standby mode.

4 Press »**IO**« on the television set to switch it off completely.
– This saves electricity.

Selecting channels

1 Use »**1...0**« to select channels directly.

2 Press »**P+**« or »**P-**« to move up and down channels.

Selecting AV channels

1 Call up the »Source table« menu with »**AV**«.

2 Select the desired AV channel position with »**P+**« or »**P-**« and press »**OK**« to confirm.

3 Switch back to the television channel with »**1...0**«.

Adjusting the volume

1 Adjust the volume with »◀« or »▶«.

Muting

1 Use »◁« to switch the sound off (mute) and to switch it on again.

Displaying time

1 You can display the time by pressing the »🕐« button (only for channels with teletext).

Displaying information

1 Press »**-/--**« to display the information.
– The display disappears automatically after a short while.

Freeze-frame

If you wish to view a particular scene for longer, you can freeze the frame of the current programme.

1 Press »▯▯« (yellow).

2 To quit this function, press »▯▯« again.

# TELEVISION OPERATION ─────────

Picture settings

You can select four different picture settings.

1 Select the desired picture setting from »User«, »Natural«, »Rich« or »Soft« with »👁«.
   – You can alter the »User« picture setting, see the "Picture settings" chapter on page 13.

Audio settings

You can select six different audio settings.

1 Select the desired sound setting from »User«, »Music«, »Sport«, »Cinema« or »Speech« with »👂«.
   – You can alter the »User« sound settings, see the "Equaliser" chapter on page 14.

Zap function

This function allows you to save the television channel which you are currently watching and switch to other channels (zapping).
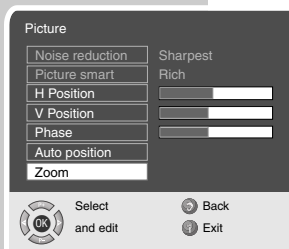
1 Select the channel you want to save in the zap memory with »**1...0**« or »**P+**« »**P-**«, (e.g. channel 1, BBC 1) and save by pressing »**Z**«.
   – The display »BBC 1« appears in the screen.

2 Change channels with »**1...0**« or »**P+**« »**P-**«.

3 You can now use »**Z**« to switch between the saved channel (in the example, BBC1) and the channel you were watching before.

4 Press »**i**« to quit the zap function.
   – The display disappears.

TELEVISION OPERATION

Zoom function

This function enables you to enlarge the television or PC picture.

1 Press »i« to open the »MAIN MENU« menu.
   – The »MAIN MENU« menu appears.

2 Select »Picture« with »P+« or »P-« and press »OK« to confirm.
   – The »Picture« menu appears.

3 Select »Brightness« with »P+« or »P-« and press »P+« again.
   – »Zoom« is selected.

4 Press »OK« to activate the zoom function.

5 Press »P+« or »P-« to change the size of the picture.

6 To change the picture section press »OK« and then »◀«, »▶«, »P+« or »P-« to select the section.

7 Press »i« to quit the zoom function.
   – The display disappears.

Picture

Noise reduction	Sharpest
Picture smart	Rich
H Position	
V Position	
Phase	
Auto position	
Zoom	

OK Select and edit   Back   Exit

Changing the picture format

The television automatically switches to the 16:9 format if this format is detected via the Euro-AV socket.

1 Select the picture format with »⊡«. The selected picture format, for example »16:9«, appears on the screen.
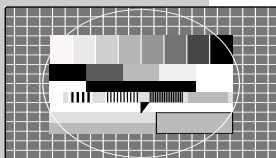 – You can choose between the following picture formats:

»4:3« format

The picture is shown in 4:3 format.

»Auto« format

The picture format is automatically switched to »16:9« for 16:9 programmes.
For programmes in 4:3 format, the picture automatically fills the screen.

»16:9« and »14:9« formats

During programmes in 4:3 format, the picture is stretched horizontally if »16:9« or »14:9« is selected.
The picture geometry is stretched horizontally.
With actual 16:9 signal sources (from a set-top box on the Euro-AV socket) the picture fills the screen completely and with the correct geometry.

»Letterbox« format

The letterbox setting is especially suitable for programmes in 16:9 format.
The black borders which are usually at the top and bottom of the screen are eliminated, 4:3 pictures fill the screen.
The transmitted pictures are enlarged, but are slightly cropped at the top and bottom. The picture geometry remains unchanged.
The »Auto Letterbox« message appears for PAL Plus television programmes.
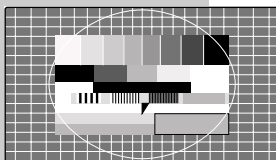
»Panorama« format

This setting is suited to films with a large width/height ratio.
During programmes in 4:3 format the picture is stretched horizontally if the »Panorama« function is selected. The picture geometry is stretched horizontally.

»Subtitles« format

If you cannot read the subtitles which appear on the bottom of the screen (especially during programmes with 4:3 format and if the »Subtitles« format is selected), then select »Subtitles«.

TELEVISION OPERATION

PIP mode

PIP (picture in picture) allows you to watch an inset picture from a second picture source in addition to the current channel.
Other television stations, DVD players, video recorders or satellite receivers can be used as video sources. They must be connected to the input sockets on the back of the device.

Displaying the inset picture

1 To display the inset picture, press »PIP« once.

Double window

1 To activate the double window function (split screen), press »PIP« twice.
– The last selected main and inset pictures are shown next to each other.

Selecting the channels for the inset picture and the left side of the screen (double window)

1 Press »P+« or »P-« to move up and down channel positions one at a time.

Selecting the channels for the main picture and the right side of the screen (double window)

1 Press »1...0« to select channels directly, or select the video source (DVD player, video recorder, SAT receiver); then call the »Source table« menu by pressing »AV«, select the desired AV channel position with »P+« or »P-« and press »OK« to confirm.

Swapping the main and inset pictures

1 Press »Z« to swap the main and inset pictures.

Changing the position of the inset picture

1 Press »POS« to move the inset picture.

Changing the size of the inset picture

1 Press »SIZE« to change the size of the inset picture.

Ending the PIP function

1 To hide the inset picture, press »PIP« twice.

Quitting the double window

1 To quit the double window, press »PIP«.

TELETEXT MODE

TOP text or FLOF text mode

1 Press »**TXT**« to switch to teletext mode.

2 You can directly select teletext pages with »**1...0**«.

Note:
At the bottom of the screen, you will see an information line consisting of a red, green and, depending on the station, yellow and blue text field. Your remote control has buttons with the corresponding colours.

3 Press »👁« (red) to scroll back a page.

4 Press »🕘« (green) to scroll to the next page.

5 Press »❚❚« (yellow) to select chapters.

6 Press »🕘« (blue) to select topics.

7 To switch off teletext, press »**TXT**« twice.

Normal text mode

1 Press »**TXT**« to switch to teletext mode.

2 You can directly select teletext pages with »**1...0**«.

3 Press »**P-**« to scroll back a page.

4 Press »**P+**« to scroll to the next page.

5 To switch off teletext, press »**TXT**« twice.

Additional functions

Skipping the waiting time

While a page is being searched for, you can switch to the television channel.

1 Enter the teletext page number using »**1...0**« and then press »**POS**«.
– As soon as the page is found, the page number is displayed.

2 Press »**POS**« to switch to the teletext page.

Increasing character size

If you have difficulty reading the text on the screen, you can double the character size.

1 To enlarge the character size of a teletext page, press »**–/––**« repeatedly.

TELETEXT MODE

Page stop

A multiple page may contain several sub-pages, which are automatically scrolled by the transmitting station.

1 Stop the sub-pages with »⊞«.

2 Press »⊞« to quit the function.

Calling up a sub-page directly

If the selected teletext page contains further pages, the number of the current sub-page as well as the total number of pages is displayed.

1 Call up the sub-pages with »**SIZE**«.

2 Press »**P-**« to scroll back a page.

3 Press »**P+**« to scroll to the next page.

4 Press »**SIZE**« to quit the function.

Reveal answer

Certain teletext pages contain "hidden answers" or information which can be called up.

1 Display information with »**SCAN**«.

2 Conceal information with »**SCAN**«.

Split screen (double window)

With this function you can see the television channel on the left and the teletext page on the right.

1 To activate the window function, press »**PAP**«.
– The television channel and the teletext page appear next to each other on the screen.

2 To deactivate the double window function, press »**PAP**«.

CONVENIENCE FUNCTIONS

Convenience functions with the »Features« menu

1 To open the »MAIN MENU« press »**i**«.

2 Select »Features« with »**P+**« or »**P-**« and confirm with »**OK**«.

Note:
Further operation is explained in the following sections.

Child lock

If the child lock is activated, the buttons on the television are not operable.

1 Select »Parental lock« with »**P+**« or »**P-**«.

2 Press »◄« or »►« to activate or deactivate the child lock (On or Off).
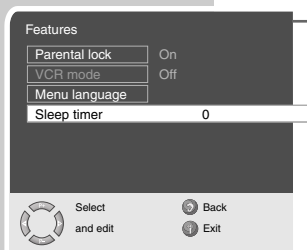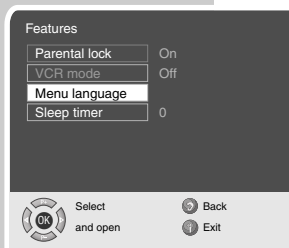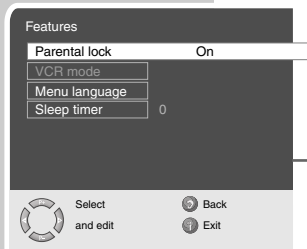
3 Press »**i**« to conclude the setting.

Changing the menu language

1 Select »Menu language« with »**P+**« or »**P-**« and confirm with »**OK**«.
– The »Menu language« menu appears.

2 Select the language with »**P+**«, »**P-**«, »◄« or »►« and press »**OK**« to confirm.

3 Press »**i**« to finish the setting.

Entering the switch-off time for the sleep timer

You can enter a switch-off time. After this time has elapsed, the television switches to standby mode.

1 Select »Sleep timer« with »**P+**« or »**P-**« and press »**OK**« to confirm.

2 To enter the switch-off time (from 15 to 120 minutes), press »◄« or »►«.

3 Press »**i**« to conclude the setting.

Features

Parental lock	On
VCR mode	
Menu language	
Sleep timer	0

Select and edit — Back — Exit

Features

Parental lock	On
VCR mode	Off
Menu language	
Sleep timer	0

Select and open — Back — Exit

Features

Parental lock	On
VCR mode	Off
Menu language	
Sleep timer	0

Select and edit — Back — Exit

USING EXTERNAL DEVICES _____

Note:
Do not connect any other equipment while the device is switched on.
Switch off the other equipment as well before connecting it.
Only plug the device into the mains socket after you have connected the
external devices and the antenna.

Decoder or satellite receiver

In order for the television to receive encoded programs from a
privately operated station, a decoder is needed.

Connecting a decoder or satellite receiver

Decoder

PAY-TV
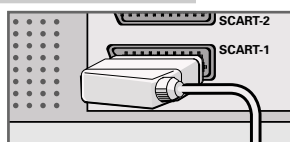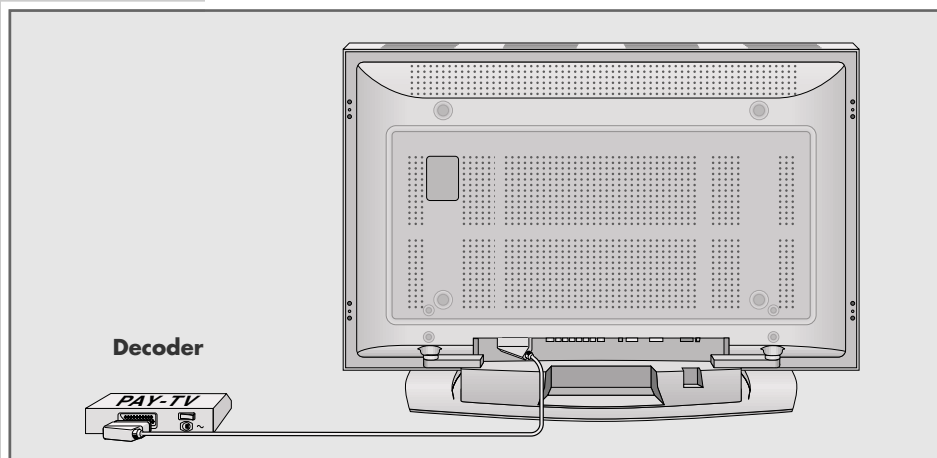
SCART-2
SCART-1

1 Connect the »**SCART 1**« socket on the television set and the
appropriate socket on the decoder using a EURO-AV cable.

Using a decoder
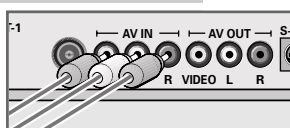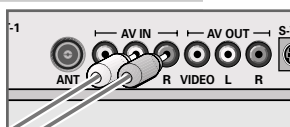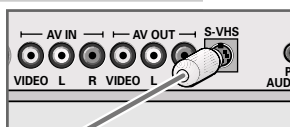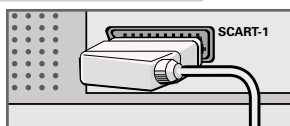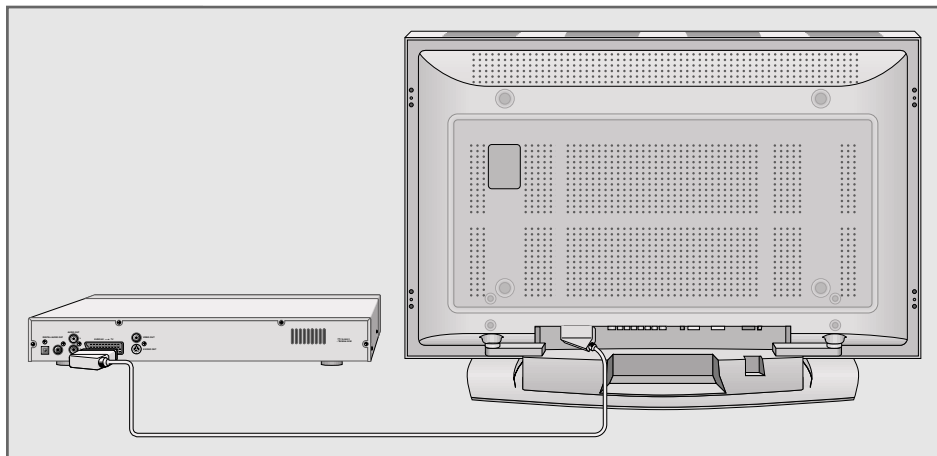
1 Switch on the television and the decoder.

2 Press »**AV**«, select the channel »AV1« with »**P+**« or »**P-**« and
press »**OK**« to confirm.

USING EXTERNAL DEVICES

Video recorder, DVD player or SET-TOP box

Connecting a video recorder, DVD player or set-top box

1 Connect the »**SCART 1**« or »**SCART 2**« socket on the television to the corresponding socket of the video recorder, DVD player or set-top box using a Euro-AV (Scart) cable;

   or

2 connect the »**S-VHS**« socket of the television and the corresponding socket of the video recorder or DVD player with an S-VHS cable (video signal);
   connect the white and red AV IN sockets »**L   R**« on the television and the corresponding sockets of the video recorder/DVD player using a cinch cable (audio signal);

   or

3 connect the AV IN cinch socket »**VIDEO**« of the television and the corresponding sockets of the video recorder/DVD player using a cinch cable (video signal);
   connect the white and red AV IN sockets »**L   R**« on the television and the corresponding sockets of the video recorder/DVD player using a cinch cable (audio signal).
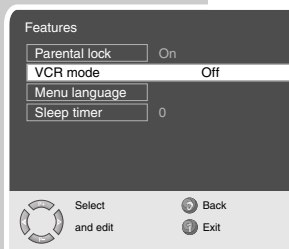
USING EXTERNAL DEVICES _____

Using a video recorder, DVD player or set-top box

1 Switch on the video recorder, DVD player or set-top box and select the function you wish to use.

2 Press »**AV**«, then press »**P+**« or »**P-**« to select the channel »AV1«, »AV2«, »AV3« or »SVHS« and then press »**OK**« to confirm.

Switching VCR mode on/off

The AV time constant is adapted to video recorder operation.

1 Press »**AV**«, select the channel with the connected VCR with »**P+**« or »**P-**« and press »**OK**« to confirm.

2 Call up the »MAIN MENU« menu with »**i**«.
– The »MAIN MENU« menu appears.

3 Select »Features« with »**P+**« or »**P-**« and press »**OK**« to confirm.

4 Select »VCR mode« with »**P+**« or »**P-**« and select »On« with »◄« or »►«.

5 Press »**i**« to conclude the setting.

Features	
Parental lock	On
VCR mode	Off
Menu language	
Sleep timer	0

Select and edit — Back — Exit

Camcorder

Connecting the camcorder
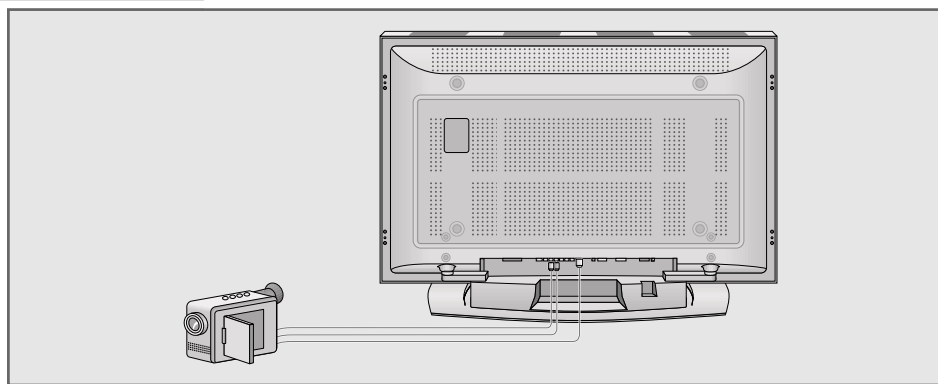
1 Connect the yellow socket »**AV IN VIDEO**« on the television and the corresponding socket on the camcorder (VHS, Video 8) with a cinch cable (picture signal);

or

connect the »**S-VHS**« socket (picture signal) on the television and the corresponding socket on the camcorder (S-VHS, Hi 8) with a cinch cable.

2 Connect the white and red sockets »**AV IN L R**« on the television and the corresponding sockets on the camcorder with a cinch cable (audio signal).

Note:
If a mono camera is connected, connect the white socket »**AV IN L**« on the television and the corresponding socket on the camera. Select »Mono« in the »Sound« menu for mono operation.

Operating with a camcorder

1 Switch on the camcorder, insert a cassette and start playback.

2 Press »**AV**«, select the »AV3« or SVHS« channel with »**P+**« or »**P-**« and press »**OK**« to confirm.
– You will see the picture and hear the sound of the camcorder on the television.

PC MONITOR MODE

Connecting a PC
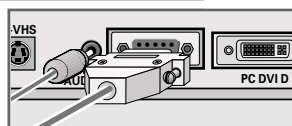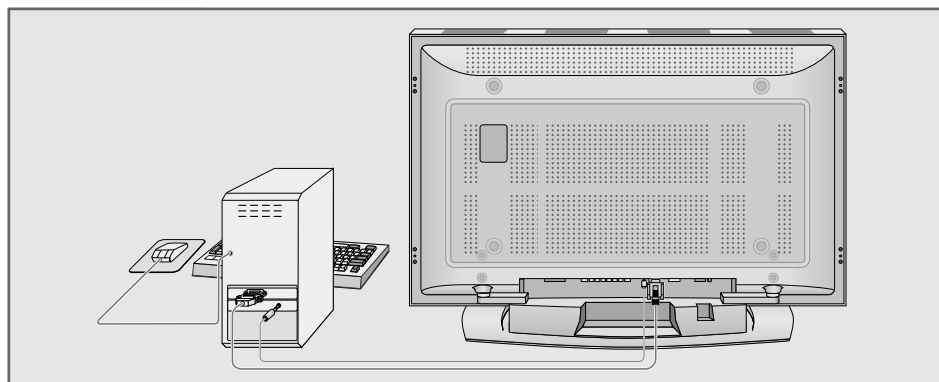
1 Connect the socket »**PC IN**« or »**PC DVI-D**« on the television to the corresponding socket on the PC using a VGA cable.

2 Connect the socket »**PC AUDIO IN**« on the television to the corresponding socket on the PC using a cinch cable (audio signal).

Selecting the channel position for the PC

1 Press »**AV**«, select the »PC« or »DVI« channel with »**P+**« or »**P-**« and press »**OK**« to confirm.

Settings for the PC

1 Press »**i**« to open the »MAIN MENU« menu.
– The »MAIN MENU« menu appears.

2 Select »Picture« with »**P+**« or »**P-**« and press »**OK**« to confirm.
– The »Picture« menu appears.

3 Select »Brightness« with »**P+**« or »**P-**« and press »**P+**« again.
– The second page of the picture menu appears.

4 Press »**P+**« or »**P-**« to select the function or setting.
– Options:
  »H Position« – adjust the horizontal picture position
  »V Position« – adjust the vertical picture position
  »Phase« – removes horizontal flicker, blurring and horizontal lines
  »Auto position« – for automatic adjustment to the PC

5 Press »**OK**« to activate the function and »◄« or »►« to adjust.

6 Press »**i**« to finish the setting.
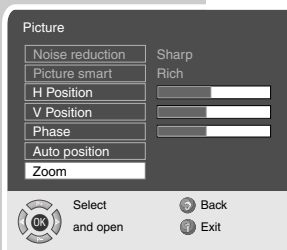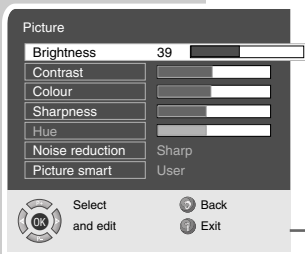
SPECIAL SETTINGS

Setting television channels

This setting is only necessary if a new channel comes on air and you do not want to change the order of your channels. The television channel can be set directly or using the search.

Setting channels using the search

1 Press »**i**« to open the »MAIN MENU«.
– The »MAIN MENU« appears.

2 Select »Setup« with »**P+**« or »**P-**« and confirm with »**OK**«.
– The »Setup« menu appears.

3 Select »Installation« with »**P+**« or »**P-**« and confirm with »**OK**«.

4 Select »Program no« with »**P+**« or »**P-**« and set the preset channel with »◄« or »►«.

5 Select »Search« with »**P+**« or »**P-**« and start the search with »◄« or »►«.
– If a strong station signal is received, the search is interrupted and the picture appears. Repeat the search until the channel you want appears on the screen.

Note:
The current system is automatically displayed in the »System« line. Select »System« with »**P+**« or »**P-**« if the colour or sound are incorrect. Select the setting required with »◄« or »►«.

6 Select »Store« with »**P+**« or »**P-**« and confirm with »**OK**«.
– The »Stored« message appears.

Note:
To set other television stations, repeat steps **3** to **6**.

7 Press »**i**« to finish the setting.

Setup

ATS
Installation
Program table

⟳ Select	◉ Back
OK and open	ⓘ Exit

Installation

Program no	1
System	B/G
Channel	6
Band	C
Search	
Fine tuning	
Store	

Select	◉ Back
and edit	ⓘ Exit

Installation

Program no	1
System	B/G
Channel	6
Band	C
Search	
Fine tuning	
Store	

Select	◉ Back
OK and edit	ⓘ Exit

SPECIAL SETTINGS

Fine tuning television channels

The television automatically tunes itself to the best possible reception. You may need to carry out manual fine tuning in areas where there is poor reception.

Installation	
Program no	1
System	B/G
Channel	6
Band	C
Search	
Fine tuning	
Store	

Select and edit · Back · Exit

1 Press »i« to open the »MAIN MENU«.
– The »MAIN MENU« appears.

2 Select »Setup« with »P+« or »P-« and confirm with »OK«.
– The »Setup« menu appears.

3 Select »Installation« with »P+« or »P-« and confirm with »OK«.

4 Select »Fine tuning« with »P+« or »P-« and set it with »◄« or »▷«.

5 Select »Store« with »P+« or »P-« and confirm with »OK«.
– The »Stored« message appears.

6 Press »i« to finish the setting.
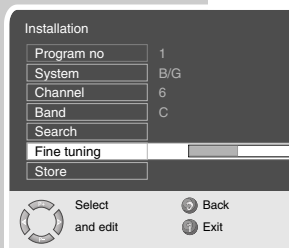
Setting the television channels by entering the channel numbers

Setup	
ATS	
Installation	
Program table	

Select and open · Back · Exit

1 Press »i« to open the »MAIN MENU«.
– The »MAIN MENU« appears.

2 Select »Setup« with »P+« or »P-« and confirm with »OK«.
– The »Setup« menu appears.

3 Select »Installation« with »P+« or »P-« and confirm with »OK«.

Installation	
Program no	1
System	B/G
Channel	6
Band	C
Search	
Fine tuning	
Store	

Select and edit · Back · Exit

4 Select »Program no« with »P+« or »P-« and set the preset channel with »◄« or »▷«.

5 Select »Channel« with »P+« or »P-«.

6 Press »◄« or »▷« to switch up and down channels or use »1...0« to enter the channel number directly.

7 Select »Band« with »P+« or »P-«.

8 Press »◄« or »▷« to choose between »S« (special channel) and »C« (channel).
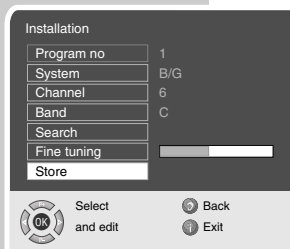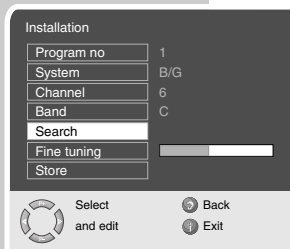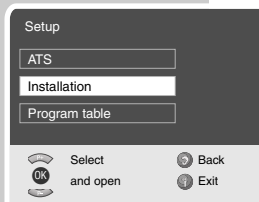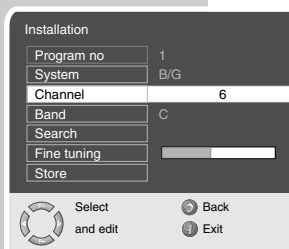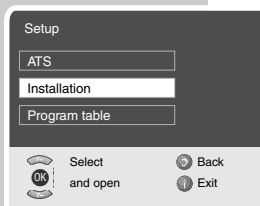
Note:
The current system is automatically displayed in the »System« line. Select »System« with »P+« or »P-« if the colour or sound are incorrect. Select the setting required with »◄« or »▷«.

Installation	
Program no	1
System	B/G
Channel	6
Band	C
Search	
Fine tuning	
Store	

Select and edit · Back · Exit

9 Select »Store« with »P+« or »P-« and confirm with »OK«.
– The »Stored« message appears.

Note:
To set the other television stations, repeat steps **3** to **9**.

10 Press »i« to finish the setting.
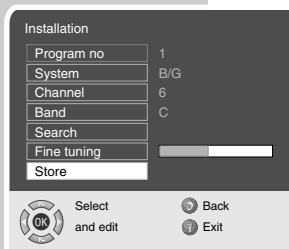
Re-tuning all television channels

You can re-tune all the television stations, for example if you move to another town.

Setup

|	
ATS	
Installation	
Program table	

⊜ Select   ◉ Back
ⓞⓚ and open   ⓘ Exit
⊜

1 Press »i« to open the »MAIN MENU«.

2 Select »Setup« with »**P+**« or »**P-**« and confirm with »**OK**«.
– The »Setup« menu appears.

3 Select »ATS« with »**P+**« or »**P-**« and confirm with »**OK**«.
– The »ATS« menu appears.

ATS

Country	United Kingdom
Autoprogram	

◔ Select   ◉ Back
and edit   ⓘ Exit

4 Press »◄« or »►« to select the country.

5 Select »Autoprogram« with »**P+**« or »**P-**« and confirm with »**OK**«.
– A warning message appears.

6 Press »🕐« (green) to start the search.
– The search begins. It may last a few minutes, depending on the number of television stations found.
– The automatic search may last a few minutes, depending on the number of television channels received.

Note:

You can interrupt the search by pressing »**OK**«.

INFORMATION
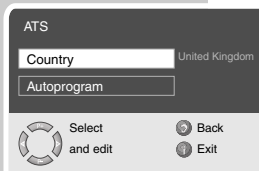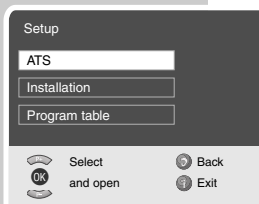
Technical data

Operating voltage:	230 V, 50/60 Hz
Power consumption:	253 W during operation approx. 6 W in standby mode
Sound output:	2 x 10 W music power (2 x 7 W sine wave)
Reception range:	C01 - C80, special channels S01 - S41
Preset channels:	99 and 6 AV
Screen size:	106 cm/42"
Viewing angle:	160° hor./160° vert.
Contrast ratio:	3000:1
Brightness:	1000cd/m^2
Max. resolution:	WXGA 852 x 480

Service information for dealers

The television set may only be operated with the mains adapter supplied.

The product complies with the following EU directives:

73/23/EEC directive for electrical equipment to be used within defined voltage ranges. 89/336/EEC directive on electromagnetic compatibility.

The device complies with the following standards: EN 60065, EN 55013, EN 55020

Subject to alteration and correction!

INFORMATION

Troubleshooting

If the remedies given below do not work, please consult an authorised GRUNDIG dealer. Please bear in mind that malfunctions can also be caused by external devices such as video recorders or satellite receivers.

Fault	Possible cause	Remedy
Screen lit (snow), but no station	Antenna cable	Is the antenna cable connected?
	No television station programmed	Start the station search
Poor picture contrast	Picture settings incorrectly set	Adjust the brightness, contrast or colour setting
	Problem at station	Test with another channel
Interference to picture and/or sound	Interference from other devices	Change the position of the device
Ghosts, reflection	Channel setting	Automatic or manual channel setting/fine tuning
	Antenna	Have antenna cable or system checked
No colour	Colour intensity at minimum	Turn up the colour
	TV standard setting (if setting option is available)	Select the correct colour standard
	Problem at station	Test with another channel
Picture but no sound	Volume set to minimum	Turn up or switch on the volume
	Problem at station	Test with another channel
Teletext missing or faulty	Television station (has no teletext) or antenna system	Test another channel for fine tuning and ghosts
	Station signal too weak	Check the antenna system
Remote control does not work	No optical connection	Point the remote control at the television set
	Remote control batteries	Check the batteries, change if necessary
	Operating condition undefined	Switch off the television with the main power button for approximately 2 minutes
The picture is dark after switching on	Parental lock has been activated	Switch off the parental lock

INFORMATION

Additional Information for units sold in the UK.

Units sold in the UK are suitable for operation from a 240V ac, 50Hz mains supply.

The range of multi-system receivers is built to work in most European countries. However, the mains plug and socket system for the UK differs from many European countries.

This appliance has been supplied with a fitted, non-removable, approved converter plug for use in the UK. This converter plug is fitted with a 5A rated fuse.

In case this appliance is supplied with a moulded 2-pin Euro plug only, which is unsuitable for UK operation, this must be cut off and immediately disposed of. An approved 13A, 3-pin UK plug should then be fitted by a qualified electrician.

> **Note:**
> The severed Euro plug must be destroyed to avoid a possible shock hazard should it be inserted into a socket elsewhere.

If a non-rewireable 3-pin plug or a rewireable 13A (BS1363) 3-pin plug is used, it must be fitted with a 5A ASTA or BSI approved BS1362 fuse. If any other type of plug is used it must be protected by a 5A fuse either in the plug, or at the distribution board. If this type of plug becomes defective, ensure that the fuse is removed before disposal, to eliminate potential shock hazard.

If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5A ASTA or BSI approved BS1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged, the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

Important:
The wires in the mains lead are colour coded in accordance with the following code:
BLUE – NEUTRAL
BROWN – LIVE

As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying terminals in your plug, proceed as follows:

Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.
Connect the BROWN coloured wire to the plug terminal marked with the letter "L" or coloured red.
In no circumstance must any of the wires be connected to the terminal marked with the letter "E", earth symbol "⏚", coloured green, or green & yellow.