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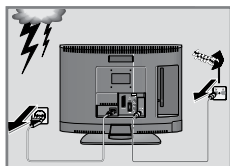
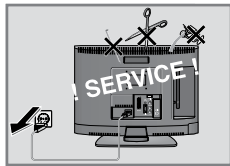
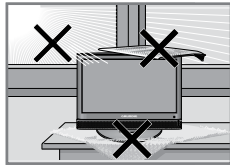
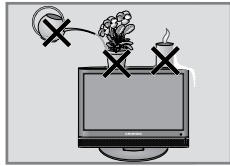
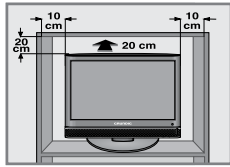
Technical data

Service information for dealers

Environmental note

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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.

External light falling on the screen impairs picture quality.

To assure sufficient ventilation make sure there is enough space around the television in the wall unit.

The television set is designed for use in dry rooms. If you intend to use it at outdoors, please ensure that it is protected against conditions such as rain or splashing water which cause moisture. 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.

Make sure the power cable or the power supply unit (if provided) are not damaged.

The television set may only be operated with the mains cable/adaptor 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.

Clean the screen with a soft, damp cloth. Only use plain water.

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.

Make sure the power plug is freely accessible.

SET-UP AND SAFETY

When deciding where to place the device, remember that most furniture surfaces are coated by various types of lacquer and plastic, most of which contain chemical additives. These may cause corrosion to the feet of the device, thus resulting in stains on the surface of the furniture which can be difficult or impossible to remove.

The screen of your LCD television meets the highest quality standards and has been checked for pixel faults.

Despite the great care taken in manufacturing, technological reasons make it impossible to completely discount the possibility that some pixels may be faulty.

Provided that they are within the thresholds specified by the DIN norm, pixel faults of this kind cannot be considered as a defect as defined by the warranty.

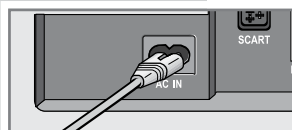
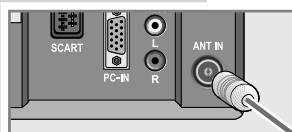
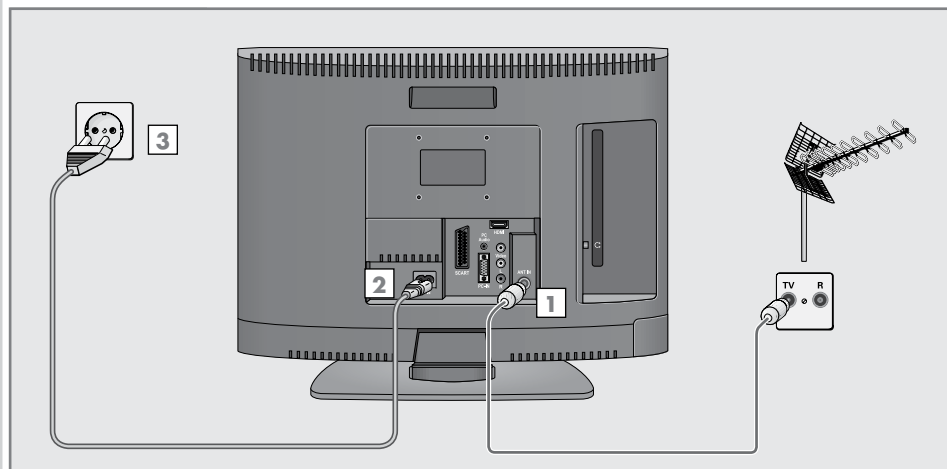
Warning:

If you want to use a wall bracket for your television, make sure you read the assembly instructions for the wall bracket carefully or have your specialist dealer mount it for you.

When buying the wall bracket, make sure that all the fastening points needed on the television exist on the wall bracket and that they are all used when it is mounted.

CONNECTION/PREPARATION_____

Connecting the antenna and the mains cable



- 1 Plug the antenna cable of the rooftop antenna into the »**ANT IN**« antenna socket on the television.
- 2 Plug the mains cable supplied into the »**AC IN**« mains socket of the television.
- 3 Plug the mains cable into the 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 to a suitable earthed safety socket using the power cable supplied.

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

CONNECTION/PREPARATION_____

Inserting batteries in the remote control

- 1 Open the battery compartment by removing the lid.
- 2 Insert the batteries (micro type, for example R03 or AAA, 2x1.5V). Observe the polarity (marked on the base of the battery compartment).
- 3 Close the battery compartment.

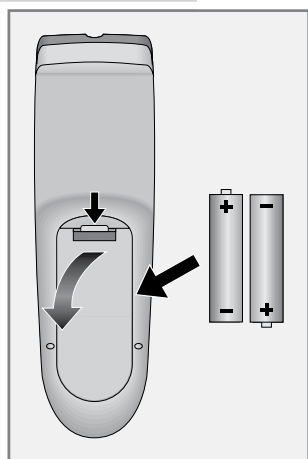
Note:

If the television no longer reacts properly to remote control commands, the batteries may be flat. Be sure to remove used batteries.

Environmental note:

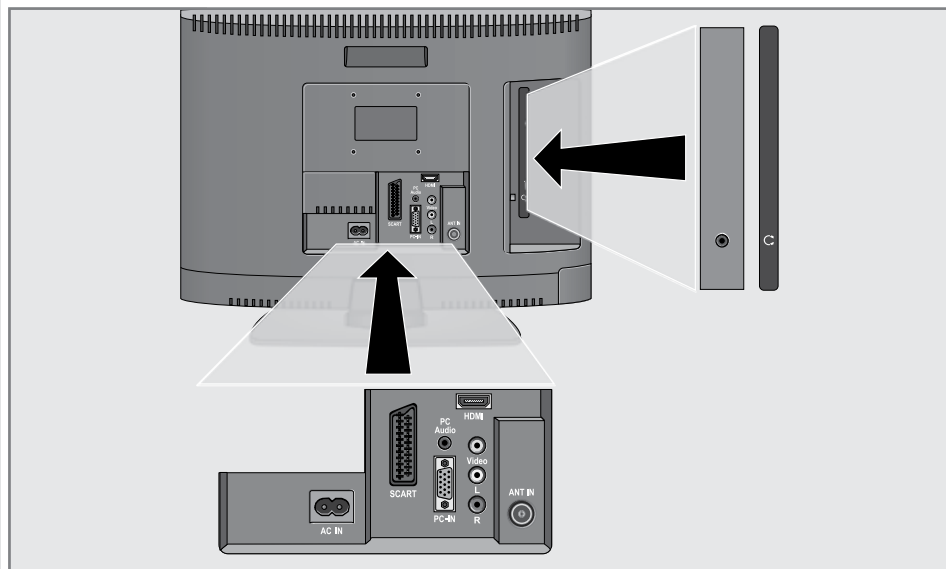
Batteries, including those which contain no heavy metal, may not be disposed of with household waste.

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



AC IN

Power cable socket.

SCART

Euro/AV socket (FBAS signal, RGB signal).

PC-IN

VGA socket,
video signal input for PC,
video signal input YPBPR.

PC Audio

Audio signal input for PC.

HDMI

HDMI socket, audio/video signal input (HDMI).

Video

Video signal input for camcorder.

L R

Audio signal input for camcorder

ANT IN

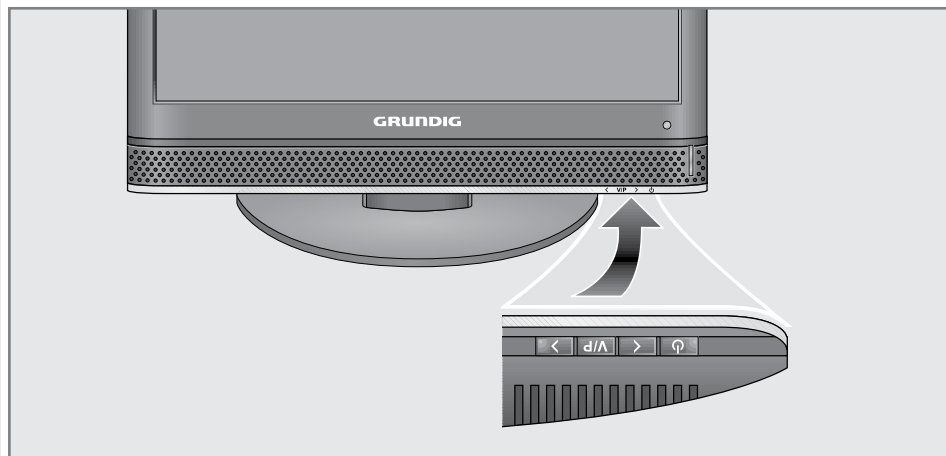
Antenna socket.



Headphone input (3.5 mm jack).

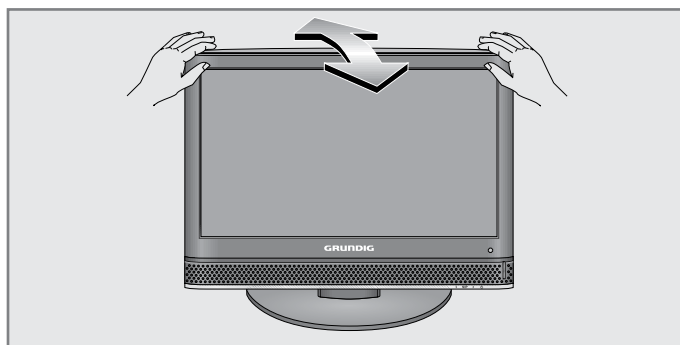
OVERVIEW

Controls on the television



- | | |
|-----|--|
| ⏻ | Switches the television on and back into standby mode. |
| ➡ | Decreases volume;
station selection down. |
| V/P | Sound or station selection.
Switch the television on from standby mode. |
| ⬅ | Increases volume;
station selection up. |

Adjusting display pitch



- 1 Tilt the screen towards front or back carefully.



Remote control

MUTE

Sound on/off (mute).

POWER

Switches the television set in and out of standby mode.

1...0

Switch the television on from standby mode.
Select stations directly.

16:9

Switches between picture formats.



Zapping function.



Switch the television on from standby mode;
Select channels in steps,
Up down navigation buttons in the menu.



Volume setting.
Right left navigation buttons in the menu.

OK

Activates the selected function.

M

Opens menu;
Return to previous menu.
Question answer button in teletext mode.



DOUBLE

Opens source selection menu.
Select by »▼« or »▲« buttons and confirm by
»OK« button;
Page enlarge button in teletext mode.



[Return to previous menu.](#)

TXT

TV/Teletext mode selection button.

EXIT

Exit menu button.

- (red)

Page selection button in teletext mode.

- (green)

Page selection button in teletext mode.

● (yellow)

Page selection button in teletext mode.

- (blue)

Page selection button in teletext mode.

i

Displays the channel number and station name.



Page stop button in teletext mode.



Page update button in teletext mode.



Sub-page selection button in teletext mode.

SETTINGS

Setting television channels

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 Press **»POWER«**, **»1...0«**, **»▼«** or **»▲«** to switch on the television from standby mode.
- The **»FEATURES«** menu appears when the television is switched on for the first time.

Hint:

If the **»FEATURES«** menu does not appear on the screen, then set it in accordance with the chapter on resetting all television channels on page 26.

- 2 Press **»◀«** or **»▶«** to select the language and **»OK«** to confirm.
- The **»COUNTRY SELECTION«** menu appears.
- 3 Press **»▼«**, **»▲«**, **»◀«** 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

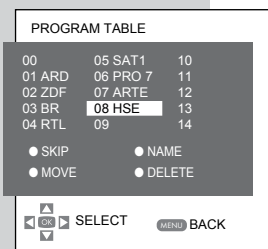
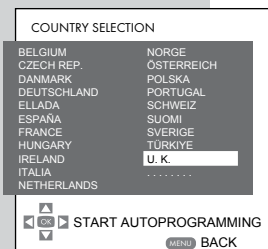
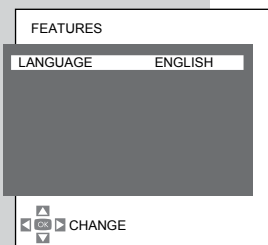
You can delete channels that have been stored more than once during the automatic search. You can also store channels in a different preset position, change or enter the name of a channel as well as skip channels.

Deleting channels

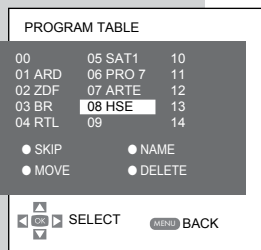
- 1 In the **»PROGRAM TABLE«** menu select the station to be deleted with **»▼«**, **»▲«**, **»◀«** or **»▶«**.
- 2 Highlight the channel with **»Q«** (blue).
- 3 Press **»III«** (red) to delete the channel.

Note:

To delete other stations, repeat steps 1 to 3.



SETTINGS



Sorting television channels

- 1 In the »PROGRAM TABLE« menu, select the channel to be moved with »▼«, »▲«, »◀« or »▶«.
- 2 Highlight the channel with »⏏« (green).
- 3 Select a new channel position by pressing »▼«, »▲«, »◀« or »▶« and then press »III« (red).
- All of the channels that follow move up one position.

Note:

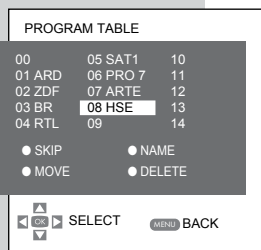
To sort the other television channels repeat steps 1 to 3.

Entering the channel names (maximum of 5 characters)

- 1 In the »PROGRAM TABLE« menu, select the desired channel with »▼«, »▲«, »◀« or »▶«.
- 2 Highlight the channel with »II« (yellow).
- 3 Select letters or numbers with »▼« or »▲«, move to the next position with »◀« or »▶« and repeat.
- 4 Store the channel name with »II« (yellow).

Note:

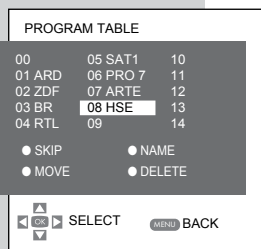
To enter additional channel names, repeat steps 1 to 4.



Skipping television channels

»Press ▼« or »▲« to skip the marked channels while selecting channels. A selection with the number buttons is also possible.

- 1 In the »PROGRAM TABLE« menu, select the desired channel with »▼«, »▲«, »◀« or »▶«.
- 2 Highlight the channel with »III« (red).
- The channel is now displayed in red.
- You can deselect the selected channel by pressing the red button again.

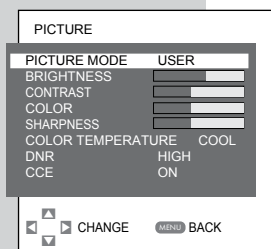


Concluding the settings

- 1 Press »EXIT« to finish the settings.

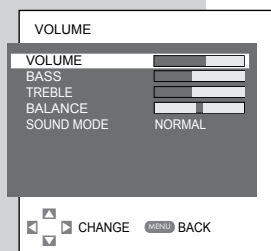
SETTINGS

Picture settings



- 1 Press **»M«** to open the Main Menu.
– The **»MAIN MENU«** appears.
- 2 Select **»PICTURE«** with **»▼«** or **»▲«** and press **»OK«** to confirm.
– The **»PICTURE«** menu appears.
- 3 Select **»PICTURE MODE«**, **»BRIGHTNESS«**, **»CONTRAST«**, **»COLOR«**, **»SHARPNESS«**, **»COLOR TEMPERATURE«**, **»DNR«** (noise reduction) and **»CCE«** (colour and contrast enhancement ensures better saturation of colours) by pressing **»▼«** or **»▲«**.
- 4 Press **»◀«** or **»▶«** to select the level.
- 5 Press **»EXIT«** to finish the settings.

Audio settings



- 1 Press **»M«** to open the Main Menu.
– The **»MAIN MENU«** appears.
- 2 Select **»SOUND«** with **»▼«** or **»▲«** and press **»OK«** to confirm.
– The **»SOUND«** menu appears.

Volume, bass, treble and balance

- 1 Select **»VOLUME«**, **»BASS«**, **»TREBLE«** or **»BALANCE«** by pressing **»▼«** or **»▲«** and adjust by pressing **»◀«** or **»▶«**.

Stereo/two channels, mono

If the television receives two channel programmes, e.g. a film with the original sound on sound channel B (DUAL II) and the dubbed version on sound channel A (DUAL I), you can select the sound channel you desire.

If the television receives stereo programmes, it switches automatically to stereo sound. (STEREO)

If the Stereo receipt is weak, you may switch to Mono. (MONO)

Note:

You can only select the **»SOUND TYPE«** function on AV presets.

- 1 Select **»SOUND TYPE«** with **»▼«** or **»▲«** and adjust the setting with **»◀«** or **»▶«**.

SETTINGS

Surround sound

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

1 Select »SOUND MODE« with »▼« or »▲«.

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

Concluding the settings

1 Press »EXIT« to finish the settings.

TELEVISION OPERATION

Basic functions



Switching on and off

- 1 Press **»POWER«**, **»1...0«**, **»▼«**, **»▲«** to switch on the device from standby mode.
- 2 Press **»POWER«** to switch the television to standby mode.

Selecting channels

- 1 Use **»1...0«** to select channels directly.
- 2 Press **»▼«** or **»▲«** to move up and down channels.

Selecting AV channels

- 1 Call up the **»SOURCE«** menu with **»+«**.
- 2 Select the desired AV channel position with **»▼«** or **»▲«** 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 Press **»MUTE«** to switch the sound temporarily off (mute) and to switch it on again.

Displaying information

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

Picture settings

You can select different picture settings.

- 1 Press **»M«** to open the Main Menu.
 - The **»MAIN MENU«** appears.
- 2 Select **»PICTURE«** with **»▼«** or **»▲«** and press **»OK«** to confirm.
 - The **»PICTURE«** menu appears.
- 3 Select **»PICTURE MODE«** with **»▼«** or **»▲«** or select any of the **»USER«**, **»SOFT«**, **»NATURAL«** or **»RICH«** options with **»◀«** or **»▶«**.
 - You can set the **»USER«** settings as you desire. See Picture settings chapter on page 12.

TELEVISION OPERATION

Zapping function

This function enables you to switch between the channel you are watching and the channel you watched previously.

- 1 Press »1...0« to select the TV station.
- 2 Press »1...0« to switch to another TV station.
- 3 Press »« to switch between both TV stations.



TELEVISION OPERATION

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 **»16:9«**. The selected picture format, for example **»16:9«**, appears on the screen.
 - You can choose between the following picture formats:

»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 satellite receiver on the Euro-AV socket) the picture fills the screen completely and with the correct geometry.

»4:3« format

The picture is shown in 4:3 format.

»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.

»SUBTITLE« format

If you cannot read the subtitles which appear on the bottom of the screen, then select **»SUBTITLE«**.

TELETEXT MODE



Fasttext and normal text modes

- 1 Press »**TXT**« to switch to teletext mode.
- 2 Use »**1...0**« to enter the page number directly or »**▼**«, »**▲**« to switch up and down pages. (Press »**i**« to return to page 100).

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 »**III**« (red), »**II**« (green), »**I**« (yellow) or »**Q**« (blue) to select a teletext page. This depends on the options in the information line.
- 4 Press »**TXT**« to switch off teletext mode.

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 »**EX**«.
– As soon as the page is found, the page number is displayed.
- 2 Press »**EX**« 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.

Page stop

Some teletext pages may consist of more than one subpages that scroll automatically.

- 1 Press »**⏏**« to stop subpages.
- 2 Press »**⏏**« to quit the function.

TELETEXT MODE



Calling up a sub-page directly

If the selected teletext page contains further sub-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 »«.
- 2 Press »1 ... 0« to enter the sub-pages directly.

or

»press « (red) to select the previous subpage and »« (green) to select the next subpage.

- 3 Press »« to quit the function.

Reveal answer

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

- 1 Display information with »M«.
- 2 Conceal information with »M«.

CONVENIENCE FUNCTIONS_____

Convenience functions with the »Features« menu

- 1 Press »M« to open the Main Menu.
- 2 Select »FEATURES« with »▼« or »▲« and press »OK« to confirm.

Note:

Further operation is explained in the following sections.

Changing the menu language

- 1 Select »LANGUAGE« with »▼« or »▲«.
- 2 Select the language with »◀« or »▶«.
- 3 Press »EXIT« to finish the settings.

Off time

After the time you have entered in the »OFF TIME« menu has elapsed, the television switches to standby mode.

- 1 Select »OFF TIME« with »▼« or »▲«.
- 2 Enter the switch-off time with »◀« or »▶«.

Note:

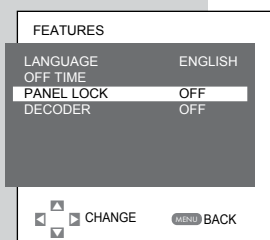
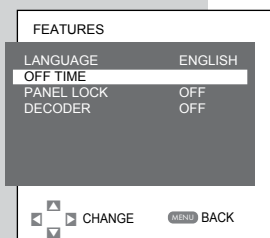
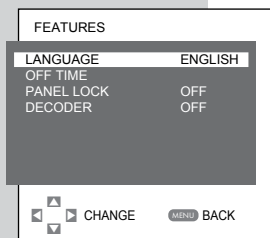
Switch off the function by pressing »◀« or »▶« to set it to »OFF«.

- 3 Press »EXIT« to finish the settings.

Panel lock (key lock)

If the panel lock is activated, the buttons on the television will be de-activated.

- 1 Select the »PANEL LOCK« with »▼« or »▲«.
- 2 Activate (ON) or deactivate (OFF) the panel lock by pressing »◀« or »▶«.
- 3 Press »EXIT« to finish the settings.



USING EXTERNAL DEVICES

DVD player, DVD recorder, video recorder or satellite receiver

Note:

Which television socket(s) you connect your external devices to depends on the sockets the external device is equipped with and the signals which are available.

Note that with many external devices the resolution of the video signal must be adapted to the input sockets on the television (check the external device's instruction manual). You can find out which values you need to set by referring to the guidelines in the section about connection options.

Note:

Do not connect any other equipment while the device is switched on. Switch off the external device as well before connecting it.

Only plug the device into the mains socket after you have connected the external devices.

High definition – HD ready

Your television can receive high-definition television signals (HDTV).

You can connect the input sources (HDTV satellite receiver or High Definition DVD player) to the »HDMI« socket.

HDCP (High Definition Copy Protection) ensures that you can view digital HDTV programmes, even if they are copy-protected.

Connecting a DVD player, DVD recorder, video recorder or satellite receiver

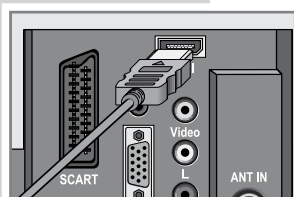
With a digital audio/video signal

Video signal: Digital video; resolution: standard 576p; HDTV 720p, 1080i.

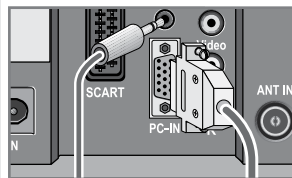
Audio signal: Digital audio (stereo, multi-channel compressed or uncompressed).

Channel position »HDMI«.

- 1 Connect the »HDMI« socket on the television and the corresponding HDMI socket on the external device using a standard HDMI cable (digital video and audio signal).



USING EXTERNAL DEVICES



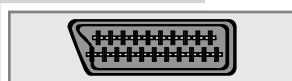
With an analogue video signal (progressive)

Video signal: YUV; resolution: standard 576p; HDTV 720p, 1080i.

Audio signal: stereo, analog.

Channel position »YPbPr«.

- 1 Connect the **»PC-IN«** socket on the television and the corresponding socket on the external device using a VGA-YPbPr adapter cable (Video signal).
- 2 Connect the **»PC Audio«** sockets on the television to the corresponding sockets of the external device with a suitable cable (Audio signal).

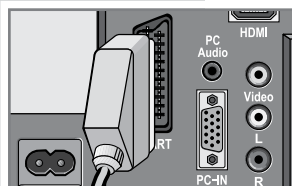


Using the Euro/AV socket

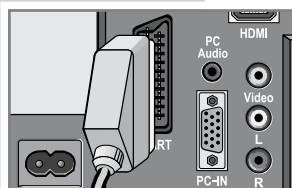
Video signal: FBAS, Y/C, RGB.

Audio signal: stereo, analog.

Channel position »SCART« or »SCART-SVHS«.



- 1 Connect the **»SCART«** socket on the television and the corresponding socket on the external device using a EURO-AV cable (video and audio signal).



Using the Euro/AV socket (S Video signal)

Video signal: Y/C.

Audio signal: stereo, analog.

Channel position »S-Video«.

- 1 Connect the **»SCART«** socket on the television and the corresponding socket on the external device using a EURO-AV cable (video and audio signal).

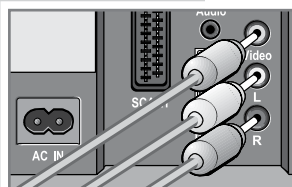


With an analog TV signal

Video signal: FBAS.

Audio signal: stereo, analog.

Channel position »AV«.



- 1 Connect the **»Video«** socket on the television and the corresponding socket on the external device using suitable cinch cables (Video signal)
- 2 Connect the **»L R«** sockets on the television to the corresponding sockets on the external device using suitable cinch cables (Audio signal).

USING EXTERNAL DEVICES

Using a video recorder, DVD player or satellite receiver

- 1 Switch on the video recorder, DVD player or satellite receiver and select the function you wish to use.
- 2 Press **◀▶**, select the input signal channel (»SCART«, »SCART-SVHS«, »AV«, »HDMI« or »YPBPR«) with **▼** or **▲** and press **OK** to confirm.

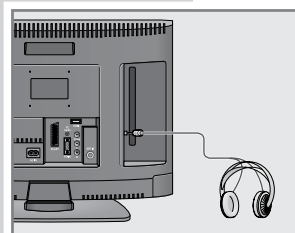
Headphone

Headphone connection

- 1 Insert the headphone jack (3.5 mm ø jack) into the headphone jack socket at the rear side of the television.

Volume settings for the headphone

- 1 Press **◀◀** or **▶▶** to adjust the volume.

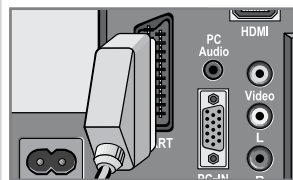
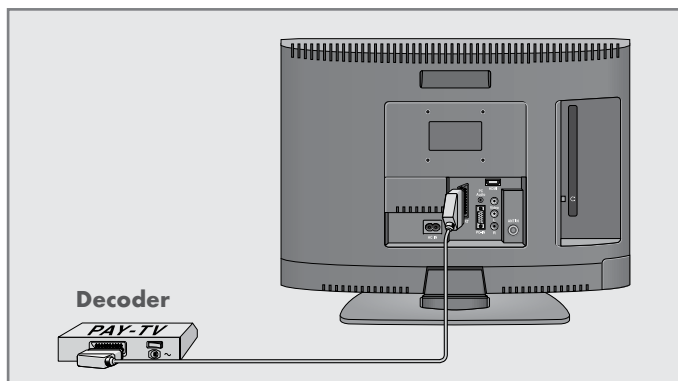


USING EXTERNAL DEVICES

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



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

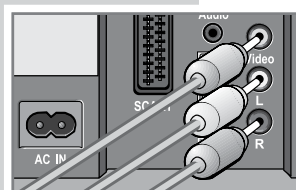
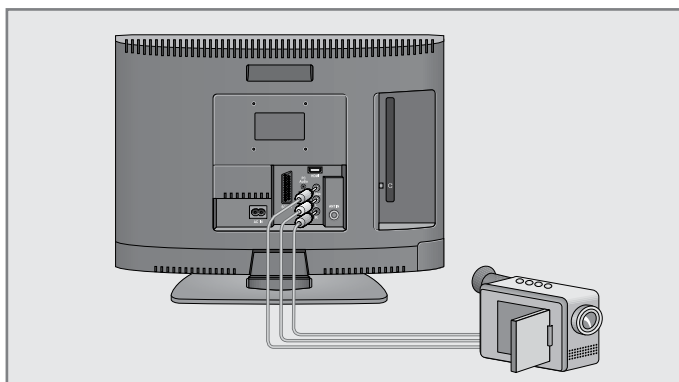
Operating with an analogue decoder

- 1 Switch on the television and the decoder.
- 2 Select the channel with »1 ... 0«, »▼« or »▲«.
- 3 Press »M« to open the Main Menu.
– The »MAIN MENU« appears.
- 4 Select »FEATURES« with »▼« or »▲« and press »OK« to confirm.
- 5 Select »DECODER« with »▼« or »▲«.
- 6 Press »◀« or »▶« to select »ON«.
- 7 Press »EXIT« to finish the settings.

USING EXTERNAL DEVICES_____

Camcorder

Connecting the camcorder



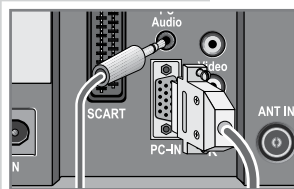
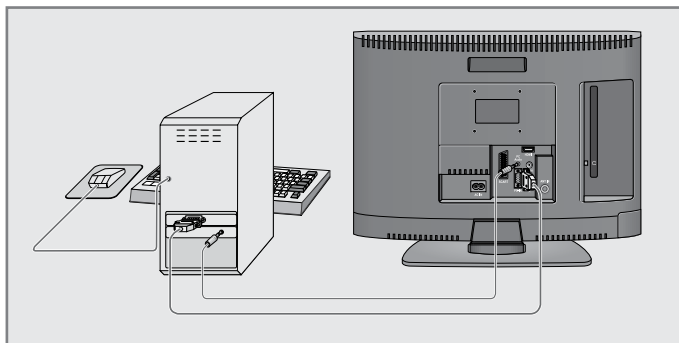
- 1 Connect the yellow socket »V« on the television and the corresponding socket on the camcorder (VHS, Video 8) with a cinch cable (picture signal).
- 2 Connect the white and red sockets »L R« on the television and the corresponding sockets on the camcorder with a cinch cable (audio signal).

Operating with a camcorder

- 1 Switch on the camcorder, insert a cassette and start playback.
- 2 Press »&«, select »AV« with »▼« or »▲« and press »OK« to confirm.

PC MONITOR MODE_____

Connecting a PC



- 1 Connect the socket »**PC-IN**« on the television to the corresponding socket on the PC using a VGA cable.
- 2 Connect the socket »**PC Audio**« on the television to the corresponding socket on the PC using a suitable cinch cable (audio signal).

Note:

Adjust your PC to the monitor (for example, resolution 1280 x 768, frequency 60 Hz).

Selecting the channel position for the PC

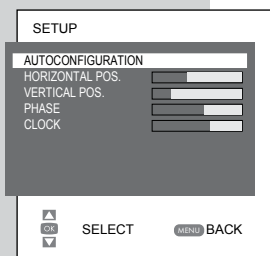
- 1 Press »**◀▶**«, select »**PC**« with »**▼**« or »**▲**« and press »**OK**« to confirm.

Settings for the PC

- 1 Press »**M**« to open the Main Menu.
– The »**MAIN MENU**« appears.
- 2 Select »**SETUP**« with »**▼**« or »**▲**« and press »**OK**« to confirm.
- 3 Press »**▼**« or »**▲**« to select the options in this menu and press »**◀**« or »**▶**« to adjust their level.
– Channel Settings:
 »Autoconfiguration«
 »Horizontal pos.«
 »Vertical pos.«
 »Phase«
 »Clock«

For automatic PC configuration;
Adjust the picture position horizontally;
Adjust the picture position vertically;
Remove horizontal lines and blurring.
Set the cycle frequency;

- 4 Press »**EXIT**« to finish the settings.



SPECIAL SETTINGS

Setting television channels

This setting is only necessary if a few 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 **M** to open the Main Menu.
– The **»MAIN MENU«** appears.
- 2 Select **»SETUP«** with **»▼«** or **»▲«** and press **»OK«** to confirm.
– The **»SETUP«** menu appears.
- 3 Select **»PROGRAM NO«** with **»▼«** or **»▲«** and press **»◀«** or **»▶«**.
- 4 Select **»SEARCH«** with **»▼«** or **»▲«** 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:

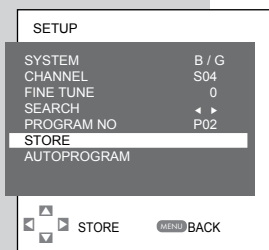
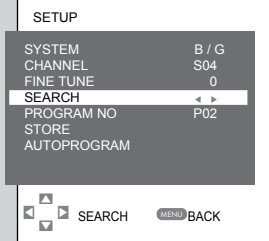
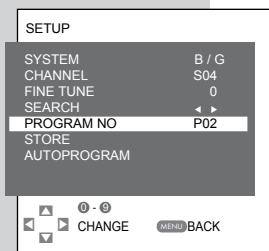
The current system is automatically displayed in the **»SYSTEM«** line. Select **»SYSTEM«** with **»▼«** or **»▲«** if the colour or sound are incorrect. Select the setting required with **»◀«** or **»▶«**.

- 5 Select **»STORE«** with **»▼«** or **»▲«** and press **»◀«** or **»▶«** to confirm.
– The **»STORED«** message appears.

Note:

To set other television stations, repeat steps **3** to **5**.

- 6 Press **»EXIT«** to finish the settings.



SPECIAL SETTINGS

Fine tuning television channels

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

- 1 Press **M** to open the Main Menu.
– The **»MAIN MENU«** appears.
- 2 Select **»SETUP«** with **▼** or **▲** and press **OK** to confirm.
– The **»SETUP«** menu appears.
- 3 Select **»FINE TUNE«** with **▼** or **▲** and press **◀** or **▶**.
- 4 Select **»STORE«** with **▼** or **▲** and press **◀** or **▶** to confirm.
– The **»STORED«** message appears.
- 5 Press **EXIT** to finish the settings.

Setting the television channels by entering the channel numbers

- 1 Press **M** to open the Main Menu.
– The **»MAIN MENU«** appears.
- 2 Select **»SETUP«** with **▼** or **▲** and press **OK** to confirm.
– The **»SETUP«** menu appears.
- 3 Select **»PROGRAM NO«** with **▼** or **▲** and set the preset channel with **◀** or **▶**.
- 4 Select **»CHANNEL«** with **▼** or **▲**.
- 5 Press **OK** to choose between **»S«** (special channel) and **»C«** (channel).
- 6 Press **▼** or **▲** to switch up and down channels or use **»1...0«** to enter the channel number directly.

Note:

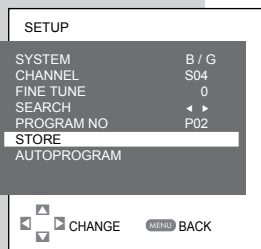
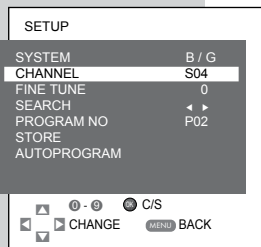
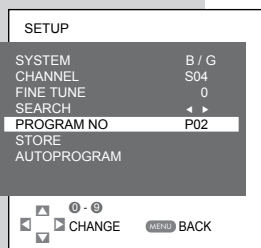
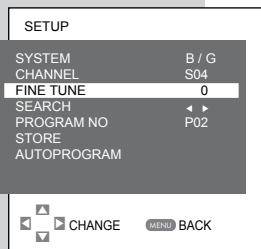
The current system is automatically displayed in the **»SYSTEM«** line. Select **»SYSTEM«** with **▼** or **▲** if the colour or sound are incorrect. Select the setting required with **◀** or **▶**.

- 7 Select **»STORE«** with **▼** or **▲** and press **◀** or **▶** to confirm.
– The **»STORED«** message appears.

Note:

To set other television stations, repeat steps **3** to **7**.

- 8 Press **EXIT** to finish the settings.



SPECIAL SETTINGS

Re-tuning all television channels

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

- 1 Select the channel with »▼«, »▲« or »1...0« to select the preset number from which the new television channels will be added to the channel list; e.g. 1.
- 2 Press »M« to open the Main Menu.
- 3 Select »SETUP« with »▼« or »▲« and press »OK« to confirm.
– The »SETUP« menu appears.
- 4 Select »AUTOPROGRAM« with »▼« or »▲« and press »OK« to confirm.
– The »COUNTRY SELECTION« menu appears.
- 5 Press »▼«, »▲«, »◀« or »▶« to select the country.
- 6 Press »OK« to start the search.
– The search begins. It may last a few minutes, depending on the number of television stations found.

Note:

Press »M« to cancel the search.

SETUP

SYSTEM

B / G

CHANNEL

S04

FINE TUNE

0

SEARCH

◀ ▶

PROGRAM NO

P02

STORE

AUTOPROGRAM

SELECT

BACK

COUNTRY SELECTION

BELGIUM

NORGE

CZECH REP.

ÖSTERREICH

DANMARK

POLSKA

DEUTSCHLAND

PORTUGAL

ELLADA

SCHWEIZ

ESPAÑA

SUOMI

FRANCE

SVERIGE

HUNGARY

TÜRKIYE

IRELAND

U. K.

ITALIA

.....

NETHERLANDS

START AUTOPROGRAMMING

BACK

INFORMATION

Technical data

Operating voltage:	220-240V ~, 50-60 Hz
Power consumption:	in operation 45 W in standby mode <1 W
Sound output:	2 x 3 W RMS
Reception range:	C01 ... C80, special channels S01 ... S41
Preset channels:	99 and 6 AV
Screen size:	55 cm/21,6"
Max. resolution:	WXGA 1366 x 768
Weight:	approx. 4,3 kg



Service information for dealers

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

The product complies with the following EU directives: 2006/95/EG directive for electrical equipment to be used within defined voltage ranges. 2004/108/EG directive on electromagnetic compatibility.

The device complies with the following standards: EN 60065, EN 55013, EN 55020, EN 55022, EN 55024.

Environmental note

This product has been made from high-quality parts and materials which can be re-used and recycled.

Therefore, do not throw the product away with normal household waste at the end of its life. Take it to a collection point for recycling electrical and electronic devices. This is indicated by this symbol on the product, in the operating manual and on the packaging. Please find out about collection points operated by your local authority.

Help protect the environment by recycling used products.



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	Perform automatic or manual channel setting, or fine tune.
	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.
Teletext missing or faulty	Problem at station	Test with another channel.
	Television station (has no teletext) or antenna system	Test another channel for fine tune 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.
Picture is dark in PC mode	Incorrect setting for picture resolution and picture frequency on the PC.	Change the setting on the PC. (for example, picture resolution 1280x768, picture frequency 60Hz)

NOTE:

This is a Class A product. During operation the device can cause radio interference. In this case the user may have to remedy this.