

**15" LCD TV MONITOR**

**GUVL1500**

**GERNING**

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# 15" LCD TV MONITOR GUVL1500

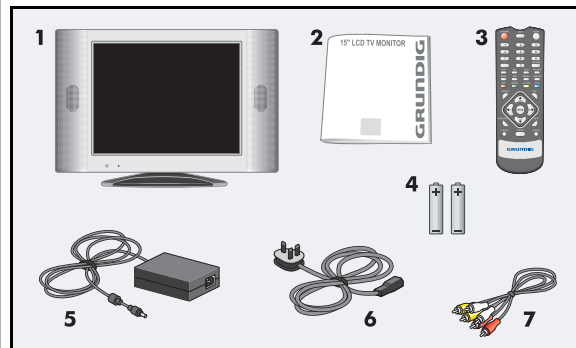
## Special features of your Monitor TV

Your TV provides you with a multi-region receiver system, allowing you to receive TV broadcasts in any country broadcasting a PAL or SECAM signal.

It can also be used as a standard PC monitor with built-in speakers.

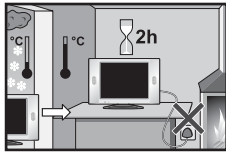
Other features of the TV include the choice of Mono or Nicam Stereo audio playback and Teletext availability.

## Scope of delivery



- 1 LCD TV unit
- 2 User guide
- 3 Remote control
- 4 2 x batteries, 1.5V, type AAA
- 5 DC power supply/adaptor
- 6 AC power cord
- 7 RCA Audio/video (AV) cable

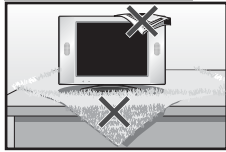
# SET-UP AND SAFETY



Please note the following information when setting up your TV.

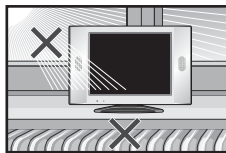
This TV is designed to display video and audio signals from multiple external devices, e.g. DVD player, external aerial, PC. Connection options are explained fully on page 9 of this user guide.

If the TV is subject to a sudden change in temperature, for example if it is brought in from the cold to a warm room, connect it to the mains supply and let it stand for at least two hours before you turn it on.



The TV 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 water splashes.

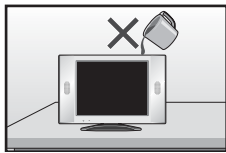
Place the TV on a hard, level surface. Do not place any objects such as newspapers on the TV or any cloth or similar articles underneath it.



Do not place the TV close to heating units or in direct sunlight, as this will impair cooling.

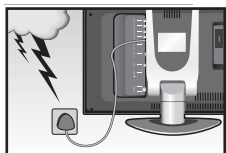
Never open the TV casing under any circumstances. Warranty claims are excluded for damage resulting from improper handling.

Do not place any vessels filled with liquid, such as vases, on the TV, as they may spill liquid, thus presenting a safety risk.



Thunderstorms are a danger to all electrical devices. Even if the TV is switched off, it can be damaged by a lightning strike to the mains. Always remove the mains plug during an electrical storm.

To clean the TV, disconnect from the power supply then wipe all external surfaces with a soft, damp (not wet) cloth. Do not use liquid or aerosol cleaners.



This TV is designed to the highest technological and environmental standards. Only environmentally-friendly, high-quality materials have been used. The batteries included contain no mercury or cadmium. The range of materials used has been deliberately restricted and all the larger plastic parts have been labelled. This TV is designed so that it can be easily disassembled to aid servicing and recycling.

## Note:

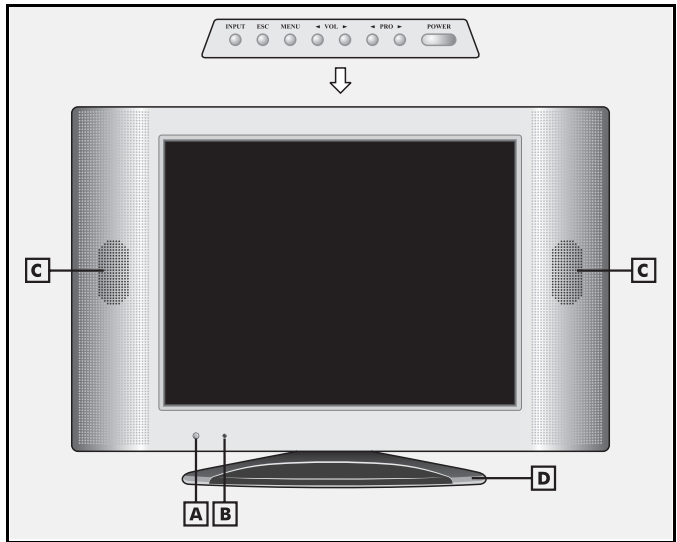
Do not connect any other equipment while the device is switched on. Switch off the other equipment as well before connecting it. Only plug the device into the mains socket after you have connected the external devices.



# OVERVIEW

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## The front of the TV



### POWER

Switches the TV to stand-by and on again. The device is only completely disconnected from the mains if the plug is pulled out.

### CH▲▼

Channel select buttons. Also used to move up and down whilst navigating on-screen menus.

### VOL◀▶

Volume adjust buttons. Also used to move left and right whilst navigating on-screen menus.

### MENU

Activates the on-screen menus.

### ESC

Exits the on-screen menus.

### INPUT

Scrolls through the available Input sources.

**A**

Power Indicator.

**B**

Remote Sensor.

**C**

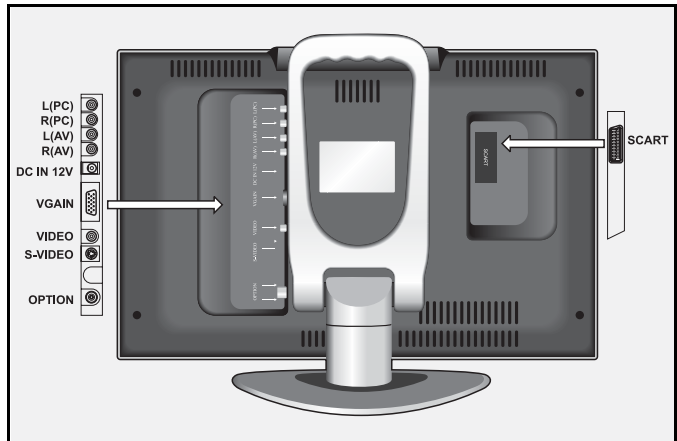
Speakers.

**D**

Tilting TV stand.

# OVERVIEW

## The back of the TV



**PC AUDIO (L)/  
(PC AUDIO (R)**

Audio input sockets. (left/right analogue channel) for connecting an audio output from a PC.

**AV AUDIO (L)/  
AV AUDIO (R)**

Audio input sockets, (left/right analogue channel) for connecting on audio output from an external device.

**DC IN 12V**

DC power supply/adaptor (mains).

**VGA IN**

Video input socket for connecting an external input device with a cinch connector.

**S-VIDEO**

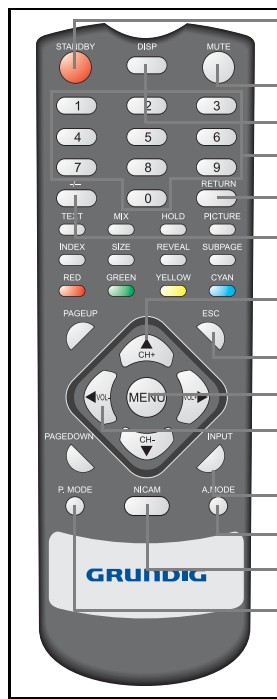
Video input sockets connecting an external input device with a S-Video connector.

**RF (AERIAL  
CONNECTION)**

RF input socket, for connecting an external aerial.

# OVERVIEW

## The remote control



**STANDBY**

Switches the TV on from stand-by mode and on again.

**MUTE**

Mute the sound on the TV.

**DISP**

Display current channel information.

**1...0**

Numeric buttons for various inputs.

**RETURN**

Return to previous channel.

**-/--**

Double digit button for selecting multiple digit channels.

**CH▲▼**

Scroll through channels and navigate on-screen menus.

**ESC**

Exit on-screen menus.

**MENU**

Access on-screen menus.

**VOL◀▶**

Adjust volume and navigate on-screen menus.

**INPUT**

Input select for external devices.

**A.MODE**

Audio mode select.

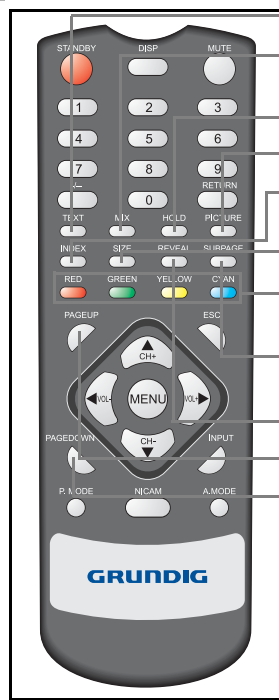
**NICAM**

Mono/Stereo select.

**P.MODE**

Picture mode select.

# OVERVIEW



**TEXT**

Activate Teletext.

**MIX**

Superimpose Teletext over the TV programme.

**HOLD**

Holds Teletext subpage.

**PICTURE**

Returns to the TV programme.

**INDEX**

Return to the Teletext index page.

**SIZE**

Increases the size of the Text shown on-screen.

**FAST TEXT**

Select one of the Fast Text options (see page 12).

**SUBPAGE**

Select a sub-page in the main text page.

**REVEAL**

Reveals hidden Text (Quiz answers etc).

**PAGE UP**

Go to next page in Teletext.

**PAGE DOWN**

Go to previous page in Teletext.



# CONNECTION AND PREPARATION

**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.

You can connect a wide range of audio and video equipment to your TV.

The following table lists a range of the available connectors on the TV.

**Note:**

Refer to the manufacturers guide for further instructions on how to connect the equipment.

Connector	Purpose
 <b>RF IN</b>	Receives TV signals from an external aerial.
 <b>SCART</b>	Receives a complete AV (Audio Visual) signal.
 <b>S-VIDEO</b>	Receives high quality video signal only (no audio).
 <b>AV VIDEO</b> (Yellow)	Receives video signal only (no audio).
 <b>VGA</b>	Receives PC display (Monitor) signal only (no audio).
 <b>AV AUDIO (LEFT)</b> (White)	Receives audio signals to the left audio channel only (not for PC use).
 <b>AV AUDIO (RIGHT)</b> (Red)	Receives audio signals to the right audio channel only (not for PC use).
 <b>PC AUDIO (LEFT)</b> (White)	Receives audio signals to the left audio channel only (for PC use only).
 <b>PC AUDIO (RIGHT)</b> (Red)	Receives audio signals to the right audio channel only (for PC use only).

# OPERATION

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## TV controls

### Programme selection

You can use the controls on either the TV or remote control to select channels.

1. Press the **CH▲▼** buttons on the TV or remote control or press a **NUMBER** button to select a programme.

#### Note:

There are 200 available channels on the TV (0-199), but the two and three digit channels can only be selected by using the **DOUBLE DIGIT** button.

1. Press the **DOUBLE DIGIT** button repeatedly to bring up the three different channel selection modes. The icon will appear in the top left corner of the screen:
  - Select one digit channels only (0 - 9).
  - - Select any two digit channels (00 - 99).
  - 1 - - Select any three digit channels are over 100 (100 - 199).

### Volume

1. Press the **VOL◀▶** button on the TV or remote control. A sound level bar will appear on the screen.

### Mute

1. To mute the sound, press the **MUTE** button on the remote control. The mute symbol will appear on the screen in the top left corner of the screen.
2. Press the **MUTE** button again to restore the sound. The mute symbol will disappear.

#### Note:

Pressing any of the **VOLUME** buttons will also restore the sound.

### Return

1. Press the **RETURN** button to swap between the programme you are watching and the last selected programme. i.e. If you were watching Program 1 and change to Program 3.
2. Press the **RETURN** button to go back to Program 1.
3. Press the **RETURN** button again to return to Program 3.

# OPERATION

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## Mono/Stereo

1. Pressing the **NICAM/A2** button will indicate which Sound Mode is selected: **MONO** or **NICAM STEREO**.

## Using Teletext

Teletext is an information system that displays text on your TV screen. Using the teletext control buttons you can view pages of information that are listed in the teletext index.

### Note:

No on screen display is available in text mode. The contrast, brightness and colour cannot be changed but the volume control is still available.

### Note:

Make sure the TV channel you are watching transmits teletext.

## Enter text mode

1. Press the **TEXT** button. The text page will appear, normally the index page.

## Select a page of text

1. Find the number of the page in the index and enter it using the **NUMERIC** buttons. The number of the page will appear in the top left hand corner of the screen.

The page counter will search for your page. When it finds it, the page will be displayed.

- To move to the next page of text, press the **PAGE UP** button.
- To move to the previous page of text, press the **PAGE DOWN** button.
- To return to the index page, press the **INDEX** button.

## TV/text mix

1. To view a page of text whilst watching a TV programme press the **MIX** button. The text will be superimposed over the TV programme.

## Exit text mode

1. Press the **PICTURE** button. The screen will return to the channel you were watching.

# OPERATION

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## Page stop

If the page of text you have selected contains sub-pages, these sub-pages will automatically be displayed in order with a delay to allow you to read the page.

1. To stop the move to the next sub-page, press the **HOLD** button. Hold' will appear in the top left hand corner.
2. To continue moving through the sub-pages, press the **HOLD** button again.

## Select a sub-page

Some text pages contain sub-pages, they are displayed on the right of the screen i.e. 1/7.

1. Press the **SUBPAGE** button. The number in the top left hand corner will be replaced by S followed by 4 dots. i.e. S....
2. Enter the number of the sub-page, using the **NUMERIC** buttons in the format, S0001 for sub-page 1.
3. The teletext will search for the sub-page.

## Reveal information

1. Press the **REVEAL** button to reveal concealed information (quiz answers etc.).
2. Press the **REVEAL** button again to conceal the information again.

## Fast Text

At the bottom of the teletext screen is a row of subject headings in red, green, yellow and blue.

1. To access these pages, press one of the coloured **FAST TEXT** buttons on the remote control.
2. Press the **INDEX** button to return to the main page.

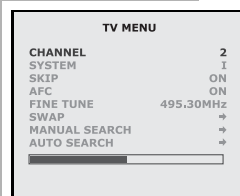
## Size

1. Press the **SIZE** button to enlarge the text shown on the Teletext screen. Only one half of the page is shown.
2. Press the **SIZE** button again to view the second half of the page.
3. Press the **SIZE** button a third time to return to normal text.

# OPERATION

## On-screen menus

### TV menu



1. Press the **MENU** button until the **TV MENU** appears on screen.

### System

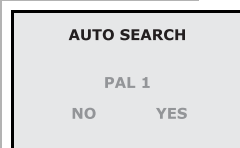
If the TV System is incorrect, the picture will not appear on the TV correctly.

UK TV broadcasts can only be received when the I (PAL) system has been selected.

1. Highlight the **SYSTEM** option using the **CH▲▼** buttons.
2. Scroll through the available options using the **VOL◀▶** buttons.
3. Press the **ESC** button to exit.

### Auto search

The **AUTO SEARCH** function searches for all available channels in one action. To tune in all channels:



1. Highlight the **AUTO SEARCH** function and press the **VOL▶** button.
2. In the **AUTO SEARCH** menu, choose **PAL 1** using the **VOL◀▶** buttons.
3. Select **YES** using the **VOL◀▶** buttons to begin tuning.

### Note:

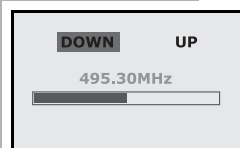
This may take a few minutes. When complete, the on-screen menu will disappear, the TV will be receiving a signal and is ready for viewing.

### Channel

1. Select a particular channel to apply any changes to (does not apply to the **SYSTEM**, **AFC** or **AUTO SEARCH** functions) using the **VOL◀▶** buttons.

### Manual search

To tune a single channel:



1. Select a channel from the top option in the **TV MENU**.
2. Highlight **MANUAL SEARCH** and press the **VOL◀▶** button.
3. Highlight either **UP** or **DOWN** and press the **MENU** button. The search will stop when a signal is found.
4. Press the **ESC** button to exit the search menu. The channel is stored automatically.

# OPERATION

## Fine tune

The **FINE TUNE** function can be used to improve picture quality. To fine tune a channel:

1. Select a channel from the top option in the **TV MENU**.
2. Highlight **FINE TUNE** and use the **VOL◀▶** buttons to improve the picture quality.
3. Press the **ESC** button to exit.

## AFC

1. Turn the **AFC** (Auto Frequency Control) function on or off using the **VOL◀▶** buttons to help improve image quality.

## Skip

To remove a channel from the viewable list:

1. Select a channel from the top option in the **TV MENU**.
2. Highlight **SKIP** and make sure this function is turned **ON**.
3. Press the **ESC** button to exit.

Once you exit the menu screens, the skipped channel will not be available if using the **CH▲▼** buttons.

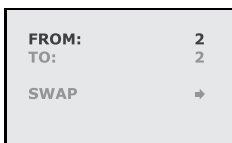
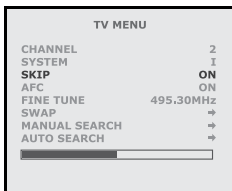
## Note:

You can still select the channel by using the **NUMERIC** buttons.

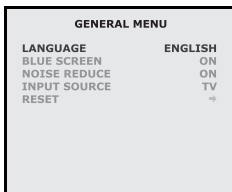
## Swap a channel number

When tuning the TV, you may receive programmes on a different channel number than what you want. You can then use the **SWAP** function to alter the channel number.

1. Highlight the **SWAP MENU** and press the **VOL◀▶** button.
2. Select the current channel number using the **VOL◀▶** buttons in the **FROM** option.
3. Select the desired channel number using the **VOL◀▶** buttons in the **TO** option.
4. Highlight the **SWAP** option and press the **VOL◀▶** button.



# OPERATION



## General menu

1. Press the **MENU** button until the **GENERAL MENU** appears on screen.

### Note:

The **GENERAL MENU** is the same for all input types.

## Language

1. Highlight the **LANGUAGE** option using the **CH▲▼** buttons.
2. Scroll through the available options using the **VOL◀▶** buttons.
3. Press the **ESC** button to exit.

## Blue screen

1. Highlight the **BLUE SCREEN** option using the **CH▲▼** buttons.
2. Turn the **BLUE SCREEN** on or off using the **VOL◀▶** buttons.

Activating the blue screen will ensure a clear, solid, blue screen is shown when no signal is being received.

## Noise reduction

1. Highlight the **NOISE REDUCTION** option using the **CH▲▼** buttons.
2. Turn the **NOISE REDUCTION** on or off using the **VOL◀▶** buttons.

Activating this function will reduce the signal 'noise' to improve clarity of the picture.

## Input source

1. Highlight the **INPUT SOURCE** option using the **CH▲▼** buttons.
2. Press the **VOL◀▶** buttons to select the input as follows:

TV	-	RF Signal (TV Aerial)
AV	-	Video Signal
SVIDEO	-	S-Video Signal
SCART	-	Signal from the SCART socket
PC-RGB	-	Signal from PC

3. Press the **ESC** button to exit.

When connecting the TV to an external source, the necessary input channel must be selected.

### Note:

Make sure that all signal cables are securely connected to the TV.

# OPERATION

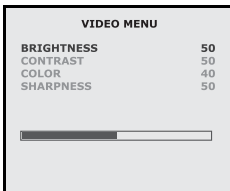
## Reset

1. Highlight the **RESET** option using the **CH▲▼** buttons.
2. Press the **VOL▶** button to reset the picture settings to the factory default.

## Video menu

Your TV has several settings which allow you to control the picture quality:

Brightness, Contrast, Colour, Sharpness.



1. Press the **MENU** button until the **VIDEO MENU** appears.
2. Use the **CH▲▼** buttons to select one of the following options:
3. Use the **VOL◀▶** buttons to adjust the levels to suit your personal preference.
4. When finished, press the **ESC** button repeatedly until the menus disappear.

**Brightness** - Allows you to increase or decrease the brightness of the picture.

**Contrast** - Allows you to increase or decrease the contrast of the picture.

**Color** - Allows you to increase or decrease the colour of the picture.

**Sharpness** - Allows you to increase or decrease the sharpness of the picture.

## Picture preset

The **P.MODE** button can be used to select one of four preset picture modes.

1. Press the **P.MODE** button to select one of the following settings:
  - Standard** - Used for general viewing.
  - Vivid** - Produces high colour and contrast settings for a brighter picture.
  - User** - User defined settings.
  - Soft** - Produces lower colour and contrast settings for a softer picture.

**Standard, Vivid, User or Soft** will appear at the bottom of the screen.

### Note:

The picture preset function is not available through navigation of the on screen menus.



# OPERATION

## Audio menu

The sound settings can be adjusted to suit your personal preference:

Volume, Balance, Audio Preset, Treble, Bass.



1. Press the **MENU** button until the **AUDIO MENU** appears.
2. Use the **CH▲▼** button to select one of the following options:
3. Use the **VOL◀▶** button to adjust the levels to suit your personal preference.
4. When finished, press the **ESC** button repeatedly until the menus disappear.

### Volume

Allows you to increase or decrease the audio volume of the programme.

### Balance

Allows you to adjust the volume balance between left and right audio channels (stereo only).

### Audio Preset

Select one of the following settings:

- **Personal** - User defined preferences.
- **Voice** - High treble, low bass for normal TV programming.
- **Music** - High treble, high bass for music based programming.
- **Theatre** - Low treble, high bass for live performances.

**Personal, Voice, Music** or **Theatre** will appear at the bottom of the screen.

### Note:

It is possible to scroll through the available options by repeatedly pressing the **A.MODE** button.

### Treble

Adjust the level of the high frequency 'treble' only.

### Bass

Adjust the level of the low frequency 'bass' only.

# OPERATION

## Using the TV as a monitor

### Initial set PC mode

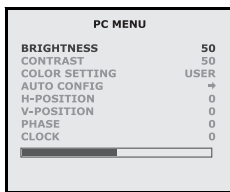
1. Switch on the TV by pressing the **ON/OFF** button on the top of the TV or on the remote control.
2. Select the **PC - RGB** Input detailed on page 15.

The PC screen is automatically set. When a CD-Title runs, the music is output from speakers.

### Adjusting the display settings

The display settings can be adjusted to centre your viewing screen.

1. Press the **MENU** button until the **PC MENU** appears.
2. Use the **CH▲▼** button to select one of the options listed below:
3. Use the **VOL◀▶** button to adjust any of the settings.
4. When finished, press the **ESC** button repeatedly until the menus disappear.



#### Brightness

Allows you to increase and decrease the brightness of the display.

#### Contrast

Allows you to increase and decrease the contrast of the display.

#### Color Setting (Temperature)

Select one of the following settings:

- **User Define** - Lets you adjust the R.G.B. gain levels.
- **6500k** - Set the colour temperature to 6500k
- **9300k** - Set the colour temperature to 9300k

#### Auto Config

Automatically adjusts the available options for the best viewing configuration.

#### H.Position

Adjust the horizontal position of the picture.

#### V.Position

Adjust the vertical position of the picture.

#### Phase

Adjust the horizontal sync phase of the signal.

#### Clock

Adjust the TFT-LCD refresh rate to match the Video Input source

# TROUBLESHOOTING

Problem	Possible Cause
<b>TV Problems</b>	
The TV does not work.	Make sure that the power supply is connected and that the mains supply is switched on.
Poor picture.	Is the aerial plugged in? Try changing the direction of the outdoor aerial. High buildings and hills can cause ghost pictures or double images. Check the channel is tuned properly. Try adjusting the picture settings; brightness, contrast, colour, sharpness. Make sure the TV is not located close to electrical appliances that may emit radio frequency interference.
No TV picture.	Is the aerial plugged in properly? Is the aerial lead damaged? Are all the plugs in the aerial lead fitted correctly? Is the TV in the correct input signal mode?
No sound.	Is the sound muted? Press the Mute button. Is the volume turned down?
No colour.	Adjust the colour setting. Check the programme is broadcast in colour. Check the channel is tuned properly.
No response from the remote control.	Is there an obstruction between the remote control and the sensor on the TV? Try changing the battery.
"CHECK CABLE OR SIGNAL" message (PC use)	Ensure that the signal cable is firmly connected to the PC or video sources. Ensure that the PC or video sources are turned on.
Horizontal bars appear to flicker, jitter or shimmer on the image (PC use)	Adjust the Clock function. Auto Tracking will clear it automatically.
Vertical bars appear to flicker, jitter or shimmer on the image (PC use)	Adjust the Phase function and then adjust the Clock function. Auto Tracking will clear it automatically.
Screen is blank and power indicator light is steady amber or blinks every 0.5 or 1 seconds (PC use)	The monitor is using its power management system. Move the computer's mouse or press a key on the keyboard.
Image is not centred on the screen (PC use)	Auto Position will set the best position automatically. Adjust the horizontal and vertical position.

# TROUBLESHOOTING

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If none of these solves the problem, switch the TV off then on again.

**WARNING:**

**IF THIS DOES NOT WORK, CONTACT EITHER YOUR SUPPLIER OR A QUALIFIED TV REPAIR TECHNICIAN. NEVER ATTEMPT TO REPAIR THE TV YOURSELF.**

Product Support:

Telephone: 0870 920 1101

Internet: [www.grundig-uk.co.uk](http://www.grundig-uk.co.uk)

# CARE AND MAINTENANCE

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## Care of the screen

Clean the screen with a slightly damp, soft cloth.

Do not use abrasive solvents or cleaners as they may damage the TV screen coating layer.

Always unplug the TV from the mains while cleaning.

## How do I dispose of this product?



When your TV has reached the end of its life, contact your local council regarding available recycling or disposal options. Do not dispose of electrical products in the general waste.

Please ensure that used batteries are disposed of safely.

# TECHNICAL SPECIFICATION

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## Power Supply

Input	AC 230 V 50 Hz
Output	12 V 5 Amps
Fuse rating	5 A

Number of preset programmes 255

RF Aerial input 75 ohm (balanced)

Audio output NICAM Stereo/Mono

## LCD panel

Type	15" TFT-LCD
Display Colour	1,677,216 (8-bit)
Max. Resolution	1024 x 768
Interface	TTL/TMDS
Viewing Angle	120 degrees horizontal/100 degrees vertical
Contrast Ratio	350 : 1 (typical)
Brightness	250cd/m <sup>2</sup>
Horizontal Frequency (PC)	20 - 70 kHz
Vertical Frequency (PC)	60 - 85 Hz
Clock	25 - 80 MHz
Max. Audio Output	3W x 2

# GUARANTEE

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**This product is guaranteed for 12 months from the date of original purchase. If any defect arises due to faulty materials or workmanship, the unit will either be replaced, a refund given or repaired free of charge (where possible) during this period by the dealer from whom you purchased the unit.**

The guarantee is subject to the following provisions:

- The guarantee is only valid within the boundaries of the country of purchase.
- The product must be correctly assembled and operated in accordance with the instructions contained in this booklet.
- The guarantee does not cover accidental damage, misuse, or consumable items.
- The guarantee will be rendered invalid if the product is resold or has been damaged by inexperienced repair.
- The manufacturer disclaims any liability for incidental or consequential damages.

This guarantee is in addition to and does not diminish your statutory, or legal rights.

# GRUNDIG



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