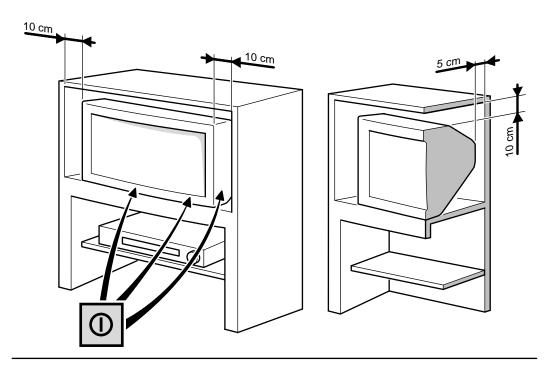
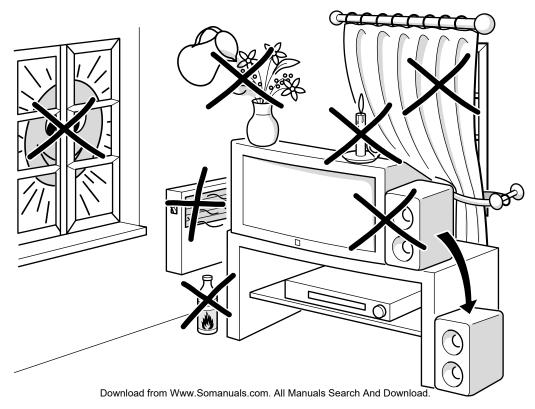
M a u е n t i ď i o i S a t u n İ d В е е n u n g S П е t u a n n g M d u a n a е u L t i well Z Ζ a 0 е Z n U e S r u m a n a M d a a n u е i i u t Z ó a C n b k G r S е u 2 j a a n W Z n g k В r u S a n Ħ ٧ S n n g i В е е t n n g S j е d П ٧ е n n g

TELEFUNKEN

DF 316 ET / DF 416 ET F h d t 0 е 0 е i ã u t Z a 0 Ç 0 δ η ι ε ε ω χ η σ ς ρ





About this manual

This document is common to several television models. Therefore, certain functions or settings may not apply to the model you have purchased

About the switch

The position of the ON/OFF switch ① differs depending on the model. It may be located on the front or on the right-hand side of your set (see the drawing inside the cover page of your manual).

About safety

To ensure your own safety and safe operation of the equipment, observe the following instructions thoroughly.

TV sets require sufficient ventilation to prevent their components from overheating, which will cause failure. Do not block the ventilation openings at the rear. If you place your TV set in a special piece of furniture, make sure there is enough space for unhindered air circulation. Do not place the TV set in the close vicinity of a heater.

The TV set has been designed for use in dry rooms. Should you use it, in exceptional circumstances in the open air (example: on the balcony, in the veranda or tent), you must absolutely protect it against moisture (dew, rain, splash water). Before switching on a cold TV set in a warm room, you should wait until any condensation in the screen has dried by itself.

Maximum ambient temperature: 35°C

Maximum humidity: 85%

By the end of your TV evening or when away from home for a longer period, we recommend that you turn off the TV set with the On/Off-switch.

The mains plug must be easily accessible.

In the following cases, we recommend that you pull out the mains connector:

1. During a thunderstorm. In such a case, it is advisable that you also disconnect the TV set from the aerial socket.

2. When odour or smoke emanates from the set.

Never attempt to open your TV set yourself.

Further information:

The TV set shielding is sufficient to prevent X-radiation to the exterior.

Any operation performed by a non skilled person, change of high voltage or replacement of the picture tube by a model not complying with the manufacturer specification are likely to cause considerable increase in X-radiation. A TV set modified in such a way no longer complies with the manufacturers' specification and must not be used.

About cleaning

The screen is to be cleaned with liquid glass cleaners.

- · Never use abrasive products.
- Clean the cabinet with a soft cloth soaked with neutral cleaner. Do not use solvents, such as white spirit or alcohol-based cleaning products since they may damage your television.
- At regular intervals, clean the ventilation grids at the rear of the TV set.

About degaussing

The terrestrial magnetic field may have an influence on your TV set. This influence is revealed by the coloured spots, which appear on the screen.

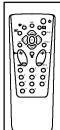
Should this be the case:

- Turn the equipment off by means of the On/Off-switch.
- Wait about one hour before switching the set on again.

This procedure performs automatic degaussing of the screen. Should there still be coloured spots on the screen, repeat the operation.



The pages of this publication are printed on recycled paper.



Using the remote control and fitting the batteries.

Page 4

How to call up a menu and how to select a function, a setting or an option.



Page 5

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Basic connections

The mains plug (1) supplies power to the television. The television must only be plugged in to a 220-240 V - 50 Hz power supply. It must never be plugged in to a DC source. Should the plug become separated from the lead, never attempt to plug it in to a mains socket. This could cause electrocution.

The aerial socket (2), located on the rear of the television, can be used to connect an external aerial or other appliance equipped with a modulator such as a VCR, satellite receiver, etc.

If you connect an appliance to the aerial jack, you must give it a channel number. To do this, switch on the appliance, then use the television to find the modulator channel (see the appliance manual). Now give it a programme number and memorise it (see Manual Programming of channels). Then, when you wish to use the appliance, simply select its programme number on the television. This procedure is not required for VCR's not equipped with a modulator.

The SCART socket AV1 (2), located on the rear of the television, is intended to connect a VCR or a camcorder (VHS, 8 mm), a Canal+ decoder, a video games console or RGB-signal emitting appliances.

We strongly recommend the use of this type of connection, which gives a better picture quality. To use the peripheral appliance that you have connected, press the AV key on your remote control to select AV1. This selection is automatic for some appliances. Pressing ""play" on a VCR, or switching on a satellite receiver connected to AV1 will automatically switch on your television.

When you stop the VCR, if you have not changed channels while watching the VCR, the television automatically switches back to the channel you were watching beforehand. If the television has been switched on from the VCR, it switches to standby when the VCR is switched off. The television automatically switches to 16/9 format if the connected appliance delivers the corresponding signal.

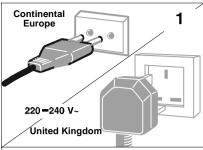
The headphone socket (3)* is provided to connect a headphone or earphones.



Connecting headphones mute the sound from the television loudspeakers.



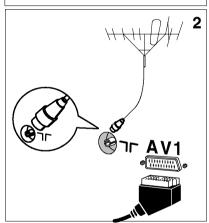
Your TV is provided with a headphone socket for stereo headphones, do not use a mono headphone or plug.

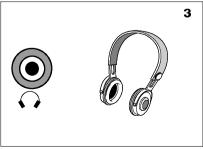


The plug is fitted with a fuse which protects your television. If your television does not work, the fuse may be blown. In this case, replace it with an identical 5 Amp ASTA or Ir BSI (BS 1362) certified fuse.



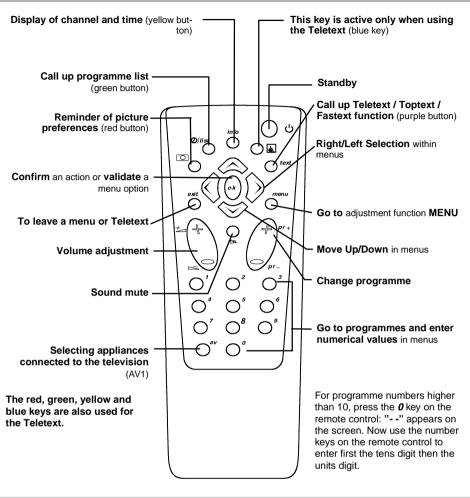
Note: the mains lead of your television is fitted with a moulded plug. This lead contains all the safety equipment, so you are advised when replacing it not to use a non-specific commercially-available model.



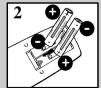


^{*} on models equipped with this function

Remote control











Please respect the environment! Before throwing any batteries away, consult your distributor who may be able to take them back for specific recycling.

Navigation principles

Calling up the INSTALLATION MAIN MENU

If there is no menu displayed on the screen, press and hold the *menu* key on the remote control. The settings SUMMARY is displayed first, followed by the INSTALLATION MAIN MENU which you can use to operate your television.

Calling up the SUMMARY

Press and release the **menu** key on the remote control to display the list of menus available for using your television functions or adjusting your television

Calling up a Menu

Select the menu you wish using the **Up/Down** keys. Press the *Ok* key to validate...

Navigating within the Menus

Use the **Up/Down** keys 1 to select a line.

Use the **Left/Right** keys **2** to:

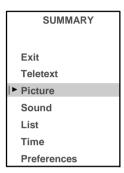
- Increase or decrease a value: for example:
 Fine tuning ◀|▶
- Select an option: for example: Reception ◀ | ▶ Aerial Reception ◀ | ▶ Cable
- Activate or deactivate an option: for example: **Decoder** □ ⇒ ☑
- Access a sub-menu: for example: Picture preferences

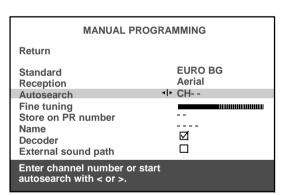
You can use the ok (3) key to:

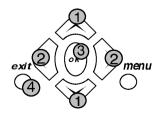
- Activate or deactivate an option: for example: **Decoder** □ ⇒ ☑
- Access a sub-menu: for example: Picture preferences|
- Validate an action: for example: Store on PR number

Use the **exit** (4) key to exit a menu.

INSTALLATION MAIN MENU Exit Manual programming Auto installation Programme organisation Personal settings







Installing your television for the first time

First plug the television into a mains power outlet and to the external aerial or a cable network, then switch on using the ON/OFF switch () located on the front or the side of your set.

When you switch on your television for the first time, the language selection menu* is displayed (Fig. 1). If this does not happen, set the television to standby then press and hold the ρr – key on the television until this menu appears.

Installation Instructions (start)

- Use the Up/Down keys to select the language in which you wish the menus to be displayed.
- **2.** Then validate using ok.
- A list of countries* is now displayed (Fig. 2).
 Select the country in which you live, or the country from which you wish to receive the broadcasts if you live in a border area.
- **4.** Then validate using ok.
- 5. A welcome message is displayed.
- **6.** Run the automatic installation sequence using ok.
- A message appears to inform you that automatic installation has started (Fig. 3). Wait for a few minutes.
 - A new message will inform you when automatic installation is completed.
- 8. If you wish to check or modify the channel organisation, press ok and see the **Programme organisation** chapter.

If you do not wish to modify the channel organisation, you can exit the menu by pressing exit then watch the channel of your choice. Choose the desired channel using the number keys (1, 2, 3, ...) and the pr + / pr – keys.

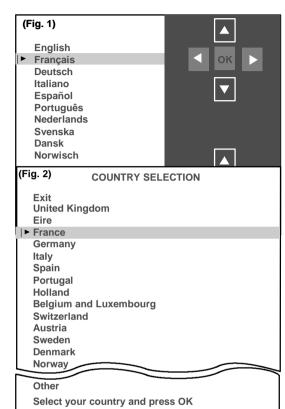
If you have a decoder, see the **Manual** programming chapter.

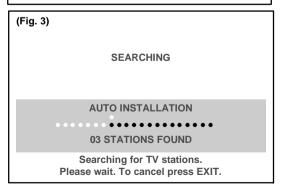
Your television will only search for channels corresponding to the country you have selected. See the **Manual channel programming** chapter to install any channels not found.

For cable networks, read the **Automatic channel installation** chapter to install any channels not found.

*The list of languages and countries may vary from one model to another.

Installation Instructions (end)





Automatic installation

The **Automatic installation** function is useful if you have to go through the installation procedure again, such as when moving house. This function deletes all previously memorised programmes. To install a new channel, you should use the **Manual programming** function.

Before running AUTO INSTALLATION, check the PERSONAL SETTINGS menu to ensure that the country displayed is correct.



Your television will only search for channels corresponding to the selected country, so see the **Manual programming** chapter to install any channels not found. For cable networks, if you have not found certain channels, select Other instead of a country name in the PERSONAL SETTINGS menu, then run automatic installation again.

- Press and hold the *menu* key on the remote control to display the INSTALLATION MAIN MENU (The SUMMARY appears first, followed by the INSTALLATION MAIN MENU).
- 2. Select the Auto installation line.
- 3. Validate using ok.

A message will inform you that **Automatic installation** has begun.

Wait for a few minutes.

A new message will inform you when **Automatic installation** is completed.

If you wish to check or reorganize your channel display, press the ok key and see the **Programme organisation** chapter.

If you do not wish to **reorganize your programmes**, you can exit this menu by pressing exit, then watch the programme of your choice. Choose the desired programme using the number keys (1, 2, 3, ...) and the pr + pr - keys.

INSTALLATION MAIN MENU

Fxit

Manual programming

Auto installation

Programme organisation

Personal settings

SEARCHING

AUTO INSTALLATION

.

03 STATIONS FOUND

Searching for TV stations.
Please wait. To cancel press EXIT.

Programme organisation

During automatic installation, your television will search for the channel name and assign it a programme number according to the selected country. You can use the **PROGRAMME ORGANISATION** menu to name any channel name not found, to change the order in which the channels are displayed, or to delete channels for which reception is too poor. Follow the messages at the bottom of the screen. For further details, read the information below.



If you wish to access the PROGRAMME ORGANISATION, menu thereafter, first press and hold the menu key on the remote control to display the INSTALLATION MAIN MENU (the SUMMARY is displayed first, followed by the INSTALLATION MAIN MENU) then select Programme organisation and validate using ok.

- To delete a programme for which reception is too poor:

- 1. Select the line marked Select program.
- 2. Use the pr + /pr or **Left/Right** keys to list your channels.
- 3. When you get to a channel you wish to delete, select the line marked Delete program.
- **4.** Press *ok* to delete the programme.
- **5.** .Validate using *ok* .

- To organize your channels to suit you:

- 1. Select the line marked Select program..
- Use the pr + / pr or Left/Right keys and the programmes logos to find the programme to which you wish to give the No.1. Its present number appears on the line marked Select program.
- Select the line marked Swap with PR.
- 4. Enter 01.
- Press ok. The two programmes swap position and the desired programme becomes N°1.
- Repeat the above procedure for the other channels.

- To name your channels:

- 1. Select the line marked Change pr. name
- Select the character you wish to modify using the Left/Right keys.
- Use the 1 and 2 keys to display the letter you require.

The name you have entered will be memorised when you move to another line or exit the menu.



If you wish to change the order in which your programmes are displayed or if you wish to name other programmes, repeat the procedures described above.

When you have finished organizing the programmes, exit the menu using *exit*.

	*
	INSTALLATION MAIN MENU
	Exit
	Manual programming
	Auto installation
	Programme organisation
	Personal settings

PROGRAMME ORGANISATION		10	MTV
			FR2
Return		12	TF1
Return		13	EURO
		14	CH40
Select program.	4 ▶ 13	15	CC01
Swap with PR.		16	ARTE
Change pr. name	EURO	17	CART
Delete program.	13	18	
		19	ARD
Select programme number using PR-/PR+ or			

Select the line marked Return to return to the previous menu.

Manual programming

The manual installation function is useful if some programmes have not been installed even after AUTOMATIC INSTALLATION.

- Press and hold menu, the SUMMARY is displayed first, followed by the INSTALLATION MAIN MENU.
- 2. Select the line marked Manual programming.
- **3.** Display the menu using ok.
- Now continue by following the messages at the bottom of the screen. For further details, read the information below.

Standard

Select the standard using **Left/Right** keys that corresponds to your country from the list of standards.

The number of standards proposed will differ from one model to another.

France	for France and Luxemburg	
DKK'	eg. for Eastern Europe and	
	the Middle-East	
I	for the United Kingdom and	
	Ireland	
Euro BG	for Western Europe	

Reception:

Your television can pick up channels either via an aerial (RF channels) or via a cable network. Certain cable networks use the same frequencies as the RF channels. If this is the case, you must select Aerial instead of Cable.

Autosearch ·

Enter the programme number if you know it. If not, search using the **Left/Right** keys. Your television will stop at the first channel it tunes into. If you wish to memorize it, go to the line marked **Store on PR number**. If not, resume the search using the **Left/Right** keys.

INSTALLATION MAIN MENU Exit Manual programming Auto installation Programme organisation Personal settings

MANUAL PROGRAMMING		
Return		
Standard Reception	EURO BG Aerial	
Autosearch	CH	
Fine tuning		
Store on PR number		
Name		
Decoder	☑	
External sound path		
Enter channel number or start autosearch with < or >.		

Select the line marked Return to return to the previous menu.

Fine tuning:

You can use this to improve the picture if the transmitter frequency is out of adjustment. Use the **Left/Right** keys to obtain the best possible picture and sound.

Store on PR number:

Enter the programme number you wish to give the channel (e.g.: 01 for BBC1). Memorise using ok.

Name:

If the station has been identified by the transmitter, its name will be inscribed automatically. You can change the proposed name or enter it if it has not already been identified. Select the character you wish to modify using the **Left/Right** keys. Use the 1 or 2 keys to display the character you desire.

Decoder:

Use the Left/Right keys to tick the box if the channel is coded and if a decoder is connected to the AV1 jack.

External sound path:

Switch on your decoder. If the sound is coded or if you have no sound, activate or deactivate the box as required using the **Left/Right** keys.



Once you have made all the adjustments you wish to a programme, go to Store on PR number and press Ok to memorise these. Then move on to the next channel.

Once you have completed your Manual Programming, exit the menu using exit.

- Press and hold the menu key: the SUMMARY is displayed first, followed by the INSTALLATION MAIN MENU.
- 2. Select the line marked Personal settings.
- 3. Display the menu using ok.
- **4.** Continue by following the messages at the bottom of the screen.

For further details, read the information below.

Menu language:

Select the language in which the menus are to be displayed.

Country:

Indicate the country in which you are if you wish to rerun **Automatic Programming**.



For cable networks, if certain channels have not been found, select Other instead of the country name before running automatic installation again. You may find that the characters of certain teletext languages are inaccessible for the selected country.

Auto volume level:

The Auto volume level is disabled on your TV set.

AV name:

Used to give a name to the audiovisual programme. Select the character you wish to modify using the **Left/Right** keys.

Use the 1 or 2 keys to display the desired character.

Prog. to be used for reference time:

To display the time using the *info* key or to use the alarm function, the television clock must be set to the correct time. Select the line marked Prog. to be used for reference time and select a channel which broadcasts teletext. The time is set automatically and is displayed after the channel number.

Exit the menu using exit.

INSTALLATION MAIN MENU

Exit

Manual programming

Auto installation

Programme organisation

Personal settings

PERSONAL SETTINGS			
Return			
Menu language	English		
Country	UK		
Auto volume level	ಠ		
AV name	VCR		
Prog. to be used for reference time			
	4I► 06	13:15	
Select a station from which you want to get the reference time.			

Select the line marked Return to return to the previous menu.

Preferences

- Display the SUMMARY by pressing and releasing the menu key on the remote control.
- 2. Select the line marked Preferences.
- **3.** Display the menu using ok.



Make your choice from the proposed options. Use the information below to help you.

Show program. number:

If you wish to permanently display the number of the programme you are watching, tick the box using the **Left/Right** keys. Press the **Left/Right** keys again to deactivate this function.

PREFERENCES Return
Show program. number ✓ ✓
Format control Auto Picture preferences

Format control ·

Use the Left/Right keys to select the desired picture format:

Auto : if the appliance connected to the SCART socket provides the switching signal, the television adjusts automatically to the picture format transmitted.

16/9: manually selects widescreen picture format.

4/3: manually selects this picture format.



If you have selected 16/9 or 4/3, the television will switch back to Auto when you change channels or you switch off.

Picture preferences:

To access the PICTURE PREFERENCES menu, press ok.



If you wish, you can personalize certain picture settings. Select and set the proposed options. Use the information below to help you.

Settings:

Select Standard or Personal.

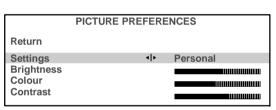
Standard corresponds to the factory settings. Personal corresponds to the settings that you have entered yourself.



The lines Brightness, Colour and Contrast are displayed only if you have selected Personal on the Settings line.

Select each line one after the other and enter your required settings. You can recall these picture settings by pressing the red key on the remote control.

Exit the menu using exit.



Select the line marked Return to return to the previous menu.

Daily viewing

Picture Adjustment

Display the **SUMMARY** using the **menu** key on the remote control. Select **Picture**. Validate using OK. The **PICTURE** menu is displayed.



Select and set the proposed options. Use the information below to help you.

Brightness, Colour, Contrast, Sharpness: Select each of these lines one after the other and set as required.

Contrast expand:

Select this line then choose the desired Contrast expand setting (High or Low).

Tone:

Select this line then choose the desired colour tone (Warm, Neutral or Cold).

Exit the menu using exit.

Return Brightness Colour Contrast Sharpness Contrast expand Tone PICTURE Neutral Cold

Select the line marked Return to return to the previous menu.

Sound Settings

Display the **SUMMARY** using the *menu* key on the remote control. Select the line marked **Sound.** Validate using ok. The **SOUND** menu is displayed.

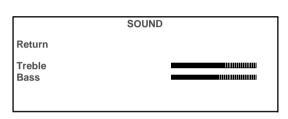


Select and set the proposed options. Use the information below to help you.

Treble. Bass:

Select each of these lines and adjust to suit you.

Exit the menu using exit.



List of Channels



This list contains up to 10 pages. The number of pages depends on the number of programmes memorized. For each programme, the list indicates the station name or type and the programme number. Page 11 describes the AV programme.

To display the list, press the ${\it list}$ key on the remote control or

Display the SUMMARY using the menu key on the remote control. Select the line marked List. Validate using ok.

The page displayed is the page containing the programme you are watching. It is identified in the list by the symbol **TV**.

To display the next page, press the **Right** key.

To display the previous page, press the **Left** key.

If you wish to watch one of the programmes on the page displayed: Enter the last digit of the programme number (e.g. for 25 simply enter 5) on the remote control. The list disappears and your programme is selected.

Or,

- Select the programme using the Up/Down keys.
- Validate using ok.
- Exit the menu using exit.



Daily viewing

Time



You can use this menu to switch your television on or off automatically at a set

Display the SUMMARY using the menu key on the remote control. Select the line marked Time. Validate using ok. The TIME menu is displayed.

Sleep timer:

Use the **Left/Right** keys to choose how long you wish to view before the television switches off. The television will switch off automatically at the end of this period. To cancel, set to **00:00**.

One minute before switching off, a message will inform you that the television is about to go off. If you wish to keep it on, press any key on the remote control or the local keyboard.

The television switches to Child lock mode after an automatic stop. It can only be switched on again from the remote control.

Return	TIME	
Sleep timer	4 ▶	00:00
Current time		11 : 28
Wake-up timer		☑
Wake-up time		07:07
Programme number		01 BBC1
Daily		

Select the line marked Return to return to the previous menu.

Current time :

The current time is given by the Teletext (see PERSONAL SETTINGS menu). You can also set the time manually using the number keys (0 to 9) on your remote control.

Wake-up timer :



If you wish to be woken up by your television on the channel of your choice, you must first set the television clock to the correct time (see above).

Use the **Left/Right** keys to tick the box and display the **Wake-up timer** menu.



The lines Wake-up time, Programme number and Daily only appear if you have ticked the box on the line marked Wake-up timer.

Wake-up time:

Use the number keys (0 to 9) on the remote control to set the time at which you wish to be woken.

Programme number:

Select the programme you wish to be woken by.

Daily:

Tick this box if you wish to be awakened at this time every day.

Exit the menu using exit.

Set the television to standby using the $^{(\!\!\!)}$ key on the remote control. The red indicator light on the television flashes.

The television will come on automatically at the programmed time and will go off one hour later if you do not use the remote control.

Selecting Programmes

For channels 1 to 9, press the number key corresponding to the desired channel on the remote control. For programme numbers higher than 10, press the o key on the remote control: "--" appears on the screen. Now use the number keys on the remote control to enter first the tens digit then the units digit.



If you press *O* while "--" is already displayed, the display returns to *O*-, in which case you can only select programmes 1 to 9.

Scrolling the Programmes

You can scroll through the programmes using the pr + /pr - keys.

Audio-visual (AV) Programmes

Press the av key to call up the audiovisual programme.

Volume Control

Use the volume +/- keys to increase or decrease the volume.

Muting the Sound

Press the key to mute the sound. Press again to restore the sound.

Displaying Information

Press the *info* key to display the following information on the screen: channel number and name, time.

Television Lock



You can use this function to prevent anyone from switching on the television using the buttons on the television set.

The buttons on the television set are locked in the following cases:

- If you switch off the set by pressing and holding the \bigcup key on the remote control for more than 3 seconds,
- After a programmed stop.
- If the television is set to standby when the alarm has been set.

When the television is locked the red power will be light flashing. The television can now only be operated from the remote control. To release the lock, press any number key on the remote control.

Switching Off the Television

To switch off the television, press the Standby key on the remote control or press the ON/OFF switch on the television set.

Teletext



Certain channels broadcast an electronic news page service with a range of different information services. The presentation and use of the Teletext differ from one country to another and from one programme to another (Teletext, Fastext or Toptext).

Press the *text* key to display the **Teletext Index** (page 100).

A message will inform you if the programme you are watching has no Teletext service.

To call up a page:

Enter the 3 digits of the page number you wish to consult (for example, 150 or 170).

After a moment, the page appears.

Use the Left/Right keys to consult the next or the previous page.

Standard Functions

Rolling pages:

Some information is displayed over several sub-pages. It is scrolled on your screen as it is received.

To stop scrolling, select **STOP** using the **Up/Down** keys and validate using ok. Press ok again to continue scrolling.

Masked text:

To reveal a hidden answer (for example in a quiz programme), select $\ref{eq:condition}$ using ok. Press ok again to hide the answers.

Zoom:

Select **ZOOM** using the **Up/Down** keys then press the ok key once to magnify the top of the screen, twice to magnify the bottom of the screen (the page will scroll from top to bottom) and a third time to return to the normal display.

Display:

You can superpose the Teletext page over the TV picture. To do this, select **MIX** using the **Up/Down** keys then validate by pressing the ok key. Press again ok to return to the normal display.

Sub-code:

You can use this to access a sub-page directly.

Select "- - - -" using the **Up/Down** keys. Then enter the four digits of the required sub-page number.



Certain programmes have **Alarm** pages that you can set to appear at the time you require. For example: for 15h30 enter **1530** as the sub-page number then press **exit**. You must of course leave the television on the programme which is to transmit the **Alarm** page.

Index:

To call up the index page, select **100** using the **Up/Down** keys then validate using ok.

Direct access:

You can use the yellow and blue keys to directly access the pages indicated in the bar at the bottom of the screen.

Fastext functions:

If the Teletext you receive is Fastext, a sub-menu at the bottom of the screen appears which you can use to select from the 4 headings according to its colour.

To select a heading, press the key of the corresponding colour.

Toptext functions:

If the Teletext you receive is TOPtext, the pages are arranged into headings and sub-headings by subject.

You can select the first page of a heading directly by pressing the blue key, or the first page of a sub-heading by pressing the yellow key.

Other functions:

With certain Teletext channels, it is possible to have sub-titles overlaid on the screen for certain broadcasts as well as certain news flash updates.

The corresponding page number is indicated in the Telextext index.

Once you have found the page, the sub-title or the news flash will be overlaid onto the TV picture.

The navigation status bar disappears after a few seconds. To display it again, press the *text* key.

To exit Teletext, press exit or text.

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