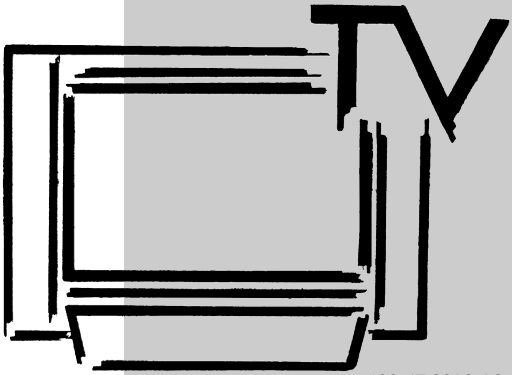
Spectral-55	MF	55TK68
Astral-63	MF	63TK63
Nordkap-70	BM	70TL73
Spectral-70	MF	70TH90
Linea-72	SF	72TK67
Linea-70	SF	70TL67
Astral-72	MF	72TK79
Kreta-72	SF	72TK87
Spectral-82	MF	82TK91
Astral-82	SF	82TH95

Operating instructions



603 47 2013.A3

04/22/26

Foreword

Dear customer,

thank you for purchasing this Metz product.

We have equipped this TV set with a menu system which uses "file cards" and believe that this will provide you with a user interface that is easy to understand.

If you have any problems, you can press the "INFO" key to display a help function that will assist you in setting up your TV set.

However, you should read at least sections 1 to 7 of the Operating Instructions before putting your new TV set into service.

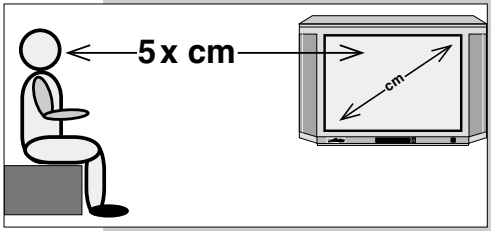
Your METZ-WERKE

Contents

1. Installation 3
2. Safety Notes 4
3. Remote Control Unit. 6
4. General Operating Notes 8
5. Daily Operation 10
5.1 Setting the operating mode 11
5.2 Operating scope 11
6. Setting language and country. 13
7. Programming Stations 14
8. Station logo 17
9. Sorting Stations. 18
10. Selecting stations. 19
11. Picture settings, general 20
11.1 Picture settings for a specific programme position 22
12. Sound settings, general 23
12.1 Sound settings for a specific programme position 24
13. Colour standard 25
14. Display configuration. 26
15. Chlidlock 27
16. Reminder 29
17. Timer control. 30
18. Setting the time 31
19. Function keys 32
20. Special functions
– AV-Picture-in-picture (PIP) 33
– 9-programme overview. 34
– Picture format (16:9, 4:3, Panorama ...). 35
21. Teletext 36
22. AV devices 37
22.1 AV playback 41
22.2 Copying recordings between AV devices. . 43
23. EPG - NexTView 44
23.1 Activating the EPG - NexTView 45
23.2 Collecting NexTView data 46
23.3 Using NexTView 47
24. Initial programme position 50
25. Operation without the remote control unit . 51
26. Technical Data. 52
27. Options 53
28. Connecting headphones 54
29. Cleaning the TV set 54
30. Glossary. 55
Troubleshooting. 58
Index 60

1. Installation

- Take care that no bright artificial light or sunshine falls directly on the screen. This could cause reflections which have a negative effect on the brilliance of the picture.



- The optimum viewing distance is about five times the screen diagonal dimension. For TV sets with a 70 cm screen, it is thus about 3.5 metres.

- The antenna cable and any other components (such as a video recorder) connected between the antenna socket in the wall and the TV set must comply with the European standard EN 60966-2-4.

- There may be no magnetic fields in the immediate vicinity of the TV set. Keep loudspeaker boxes well away from the set.

- The antenna cable used for connecting the TV set must have a screening attenuation of at least 75 dB.

- The use of non-approved cables will invalidate the operating permission for the TV set.

- For details of how to connect peripheral devices such as video recorders, DVD players, etc. press the „INFO“ key to call the help function, select „Connecting AV devices“ with the cursor and press „OK“ to display the information.

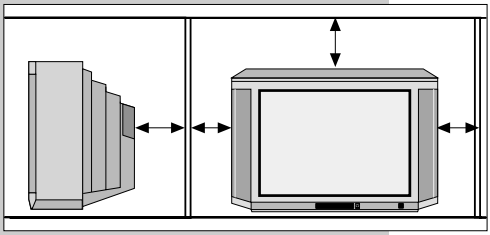
2. Safety notes

- Always place the monitor on a solid, stable surface.

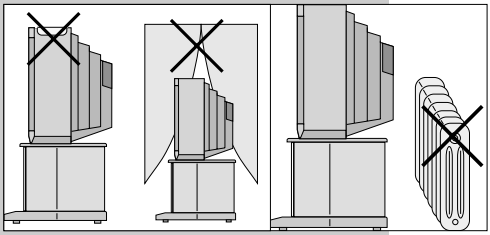
- If a cold TV set is moved to a warm room, always allow any condensation on the screen to evaporate before switching it on.

- The TV set is intended for use in a dry room. If, in exceptional circumstances, you use it outdoors, take care that is protected against moisture (rain, splashed water, dew).

- TV sets need adequate ventilation. Never cover the openings on the rear of the set with curtains, doilies, newspapers, etc. Also take care that the slits in the bottom of the case are freely accessible so that the intake of the cooling air is not hindered.



- If you place the TV set in a wall unit, leave sufficient space on all sides for the circulation of cooling air.



- Do not place the TV set close to a radiator, since this would effect adequate cooling.

- Do not place

  burning candles or

  vessels containing liquids (vases, etc.)

on top of the TV set, since any hot wax or water dripping into the set could cause serious damage to the electronic components and could also jeopardize the electrical safety of the set.

2. Safety notes

- Lightning can damage electrical equipment. A lightning flash entering the power cable or the aerial cable can damage the TV set even if it is switched off. You should therefore disconnect the power cable and aerial cable from their outlets or from the TV set in the case of a thunderstorm.

- The monitor may be opened and repaired only by a qualified person.

  CAUTION! HIGH VOLTAGES CAN KILL!

  If repairs should be necessary, consult your local dealer.

- Always switch off the TV set before cleaning it.

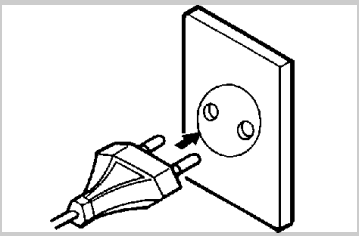
- Do not hold the remote control directly in front of your eyes and press a button. The remote control emits infrared radiation!

- Do not place rechargeable batteries in the battery compartment of the remote control.
  Use only two 1.5 V dry batteries of the type LR03/AM4/AAA (Micro).

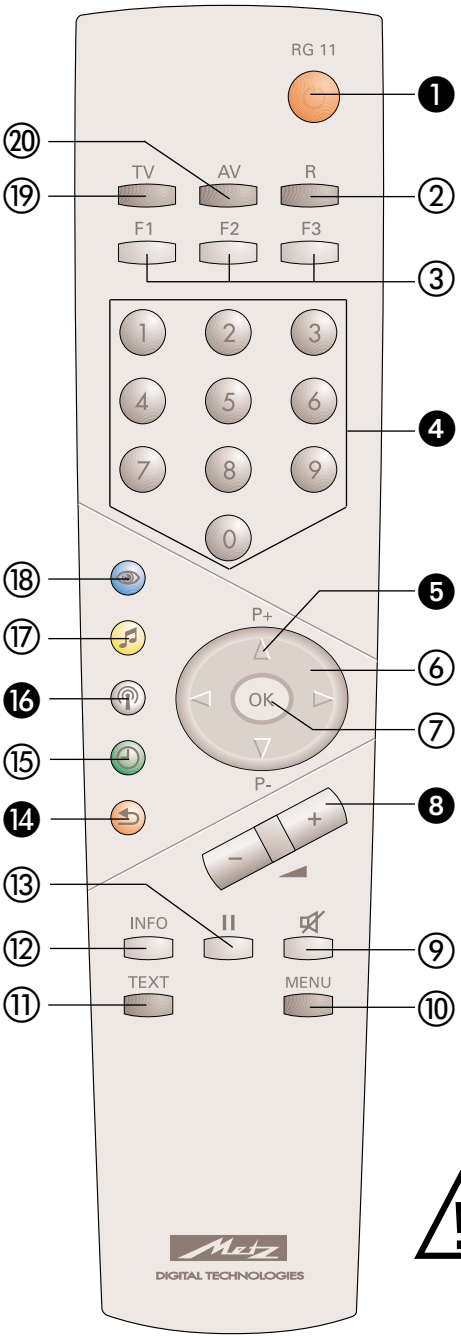
- The TV set is intended only for the reception and reproduction of picture and sound signals.

- The TV set may be operated only from a mains voltage of 230 VAC, 50/60 Hz.
  Australia: 240 VAC.

- Lay the power cable so that nothing stands on it and no-one can trip over it.



3. Remote control unit



The remote control unit transmits commands to the TV set with the aid of infrared light. You should always point the remote control unit directly at the TV set. The remote control unit may possibly interfere with other infrared devices (such as infrared headphones) within its range.

Sunlight falling directly on the TV set may interfere with the operation of the remote control unit, because the TV set cannot detect the infrared signals from it. The TV set must first be switched on with the main switch before the remote control unit can be used.

The most important keys in normal use

❶ ON:
the last station watched before the set was switched off is selected.
OFF (standby)

❹ Numeric keys (direct station selection)

❺ P+ / P-: next/previous programme position

❽ Volume control
Also used to change settings in the menu

⓮ Return to previously selected programme position

⓰ Display the station table

Never load rechargeable batteries into the battery compartment of the remote control unit!

Only use two 1.5V LR03/AM4 batteries, size AAA.

3. Remote control unit

Overview of key functions

② Switch to satellite radio mode
Switch on from standby mode to satellite radio mode [1)]
([1)] only if a SAT upgrade module is fitted)

③ Function keys F1 ... F3

⑥ Cursor control key in the „Information“ and the TV menu

⑦ OK - confirmation key

❽ Change settings in the TV menu

⑨ Sound mute

⑩ Call the TV menu
In the menu: return to the previous main menu item

⑪ Call Teletext

⑫ Call the „Information“
In the „Information“: return to the contents

⑬ Frame freeze
In the „AV devices“ menu: delete

⓮ Return to previously selected programme position
In the TV menu: call „Configuration“

⑮ Display date and time
In the TV menu: call „Timer“

⓰ In the TV menu: call the „Station table“ or display station attributes

⑰ Call the sound settings
In the TV menu: call „AV devices“

⑱ Call the picture settings
In the TV menu: call „Picture and sound“

⑲ Return to the TV picture
Switch from satellite radio mode[1)] to TV mode Switch on from standby mode to TV mode ([1)] only if a SAT upgrade module is fitted)

⑳ Call the AV menu for playback and recording
Switch on from standby mode to AV mode

Call the menu

INFO

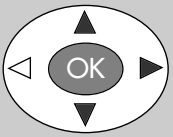
Information

▶ **Contents (1/2)**

Index

Programme selection
Pictures settings
Sound settings
AV playback / recording / satellite recording
Teletext
Function keys
Satellite radio mode -->

Use the cursor to select an underlined text.
OK: further information INFO: help index
Previously visited pages: ● backwards ● forwards



4. General operating notes

When designing this TV set, we have tried to make its operation as easy as possible so that you will enjoy learning how to use it.
The TV set itself can provide the answers, with the menu „Information", to any questions you may have during installation and switching on.
To use this function, simply press the „**INFO**" key to display the table of contents of the „Information" on the screen.

The menu „Information" (help function)

In the table of contents, or in the index, you can then select the information you need with the cursor control key.
„Cursor right" ▶: move to next page of the index.
„Cursor left" ◀: scroll backwards through the index.
„Cursor up" ▲: select the previous underlined text or the arrow -->.
„Cursor down" ▼: select a line in the list. Then press the „OK" key to display this information.

You can select any underlined words in the table of contents, the index or the explanatory text with the cursor and press „OK" in order to display further information about them.

You can scroll back and forth through previously selected help pages with the aid of the red and green keys.

4. General operating notes

Call the menu

Using the menus

With the „TV menu“, we help you to find your way through the many operating functions of your TV set.

Do not hesitate to try out the options in the various menus. Any changes you make become permanently effective only if you save them by pressing the „OK“ key. If you are not sure that you want to retain a new setting, you can simply exit from the menu by pressing the „TV“ key. The new setting is then discarded.

While you are in the TV menu, you can return to the main menu item at any time by pressing the „**MENU**“ key. If you do not understand a menu item, press the „INFO“ key for more information.

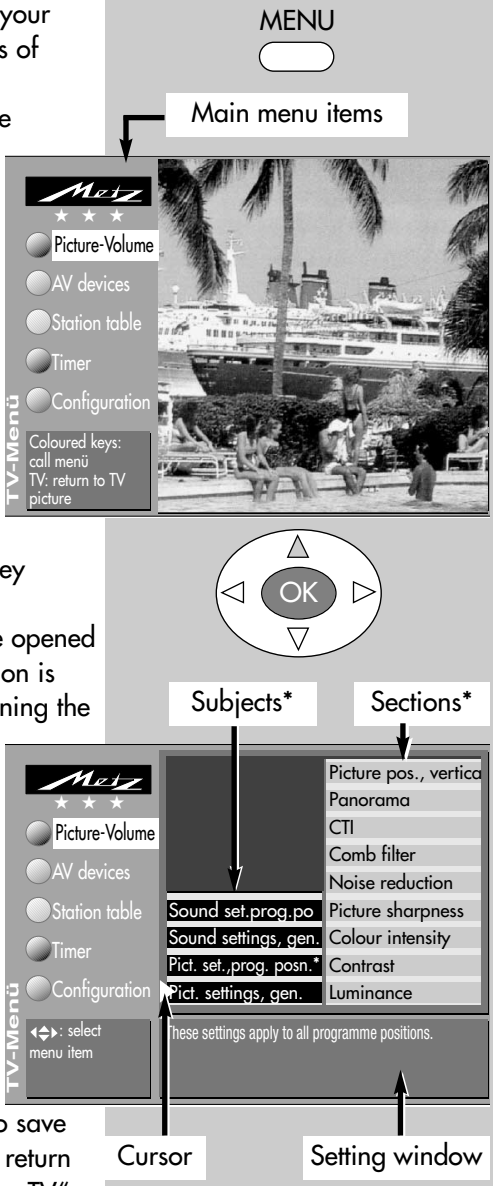
To return to the menu, press the „INFO“ key twice.

The five main sections of the menu can be opened with the coloured keys. The help information is shown in the form of two card files containing the subjects (blue) and the sections of the selected subject (yellow). You can select the subjects and sections with the aid of the red triangular cursor, which is moved with the oval key.

Pressing the „OK“ key then moves you to the setting window below the file boxes. The current setting is displayed here and you can change it with the **-** **+** key.

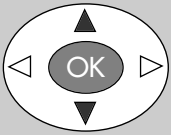
To save the new setting, press the „OK“ key. This also returns you to the file of yellow section cards. If you do not want to save the new setting, press the „MENU“ key to return to the related main menu item or press the „TV“ key to exit from the menu.

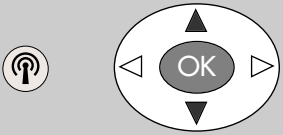
You can delete your input by pressing the **II** key.

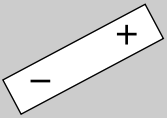


* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

5. Daily operation







Switching on

Switch on the TV set with the main switch. The red standby indicator lights.
Then enter the desired programme position on the numeric keys of the remote control unit.
Alternatively, simply press the ⏻ key with the TV set in standby mode to select the programme position you were watching before the set was switched off.
If you have defined an initial programme position (see page 46), pressing the ⏻ key with the TV set in standby mode will select this programme position.

Switching off

Press the ⏻ key to switch the TV set to standby mode or press the main switch on the TV set to switch it off completely.

Station selection

You can select a station (programme position) with the numeric keys, with the rocker key „P+/P-“ or from the station table.
To call the station table, press the white key . Use the cursor control key to select the desired station and then press the "OK" key to confirm your selection.

Adjusting the volume

You can adjust the volume with the - + key.

Adjusting picture and sound settings

Call the picture settings with the blue key or the sound settings with the yellow key .
At the bottom left of the screen, you will then see the setting box with the various functions. Select the desired function with the rocker key „P+/P-“ and adjust the setting with the - + key.

5.1 Setting the operating mode

Call the menu

The TV set can be switched on at the desired operating level with the keys "TV", "AV" and "R". These keys can also be used to switch between the operating levels.

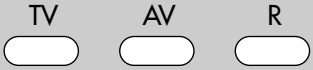
When the TV set is switched on with one of these keys, the station which was last selected at this operating level is again set.

TV = television mode

AV = audio-visual mode for use with AV devices

R = radio mode [1)]

([1)] available only if a SAT receiver is installed)

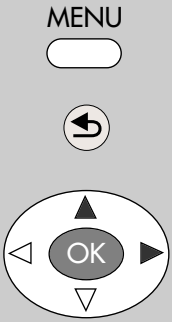


5.2 Operating scope

Call the menu

Until we introduce Version 2.1 of the software, this menu item is available only in the menu. If you wish to reduce the operating scope of your TV set, please consult your local Metz dealer.

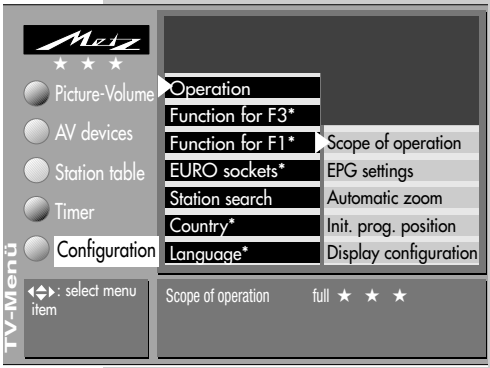
The operating scope of the TV set is indicated by asterisks in the menus and can be reduced in two stages in order to prevent inadvertent changing of certain settings.

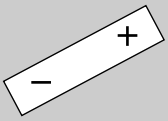


<u>Programming the operating scope</u>

(Software version V2.1 or higher)

- Press the "MENU" key to open the TV menu.
- Press the red key ⮌ to open the menu "Configuration".
- Use the cursor control key to select "Operation".
- Press the "OK" key and then use the cursor control key to select "Operating".
- Press the "OK" key and then, in the setting window, select the desired operating scope with the **-** **+** key.





5.2 Operating scope

★★★ The full TV menu is displayed

★★ A reduced TV menu is displayed. The following functions are no longer available:

- Special picture settings such as panorama, CTI, noise reduction, picture sharpness, etc.
- Special sound settings such as stereo wide, spatial sound, balance, tone settings, etc.
- Picture and sound settings for individual programme positions.
- Programming of the function keys.
- Settings for the EURO sockets.
- Special functions in the menu "Operation".

★ The TV menu cannot be opened, Only the standard functions of the remote control are available.

• Save the changed setting by pressing the "OK" key.

If you want to open a menu although only the operating scope with one asterisk is active, then:

• Press and hold the "MENU" key for at least five seconds to open the TV menu.

• The menu item "Operation" is automatically selected.

• Use the **-** **+** key to select the desired operating scope and press the "OK" key to save the changed setting.

6. Setting the language and country

☞ ***In a menu with two asterisks (**), the settings for the menu items "Language" and "Country" cannot be changed.***

Setting the language for the TV menu

You can select one of the available languages for the display of the TV menu. All texts in the menu and in the help function (Information) are then displayed in the selected language.

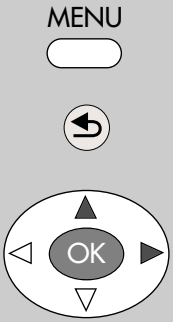
Setting the country

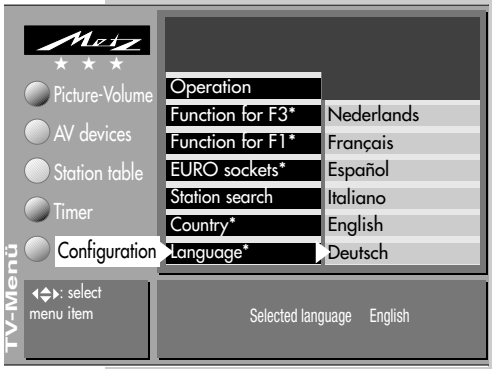
After installing the TV set, you must select the country where it is installed (such as Great Britain). This information is used by the TV set to make certain basic settings (such as the channel spacing, the sorting sequence for the stations, etc.).

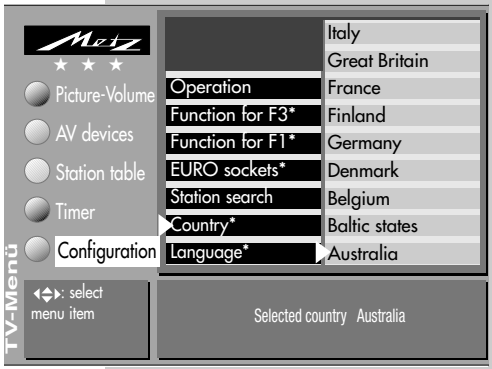
Setting the language and country:

- Press the "MENU" key to open the TV menu.
- Press the red key ⮌ to open the menu "Configuration".
- Use the cursor control key to select the desired language and your country.
- Use the cursor control key to select the desired language and your country.
- Press the "OK" key to save the settings.
- Press the "TV" key to close the menu.

Call the menu



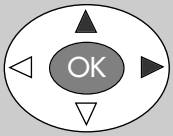


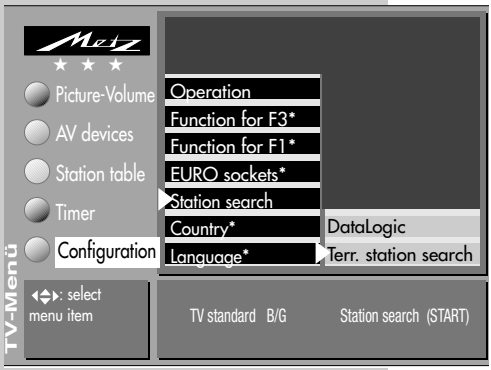


* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

Call the menu

MENU





2) Available only on TV sets which are equipped with this option.

* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

7. Programming stations

You can programme the TV stations in three different ways.

a) Automatic station search

The automatic station search function searches the entire range of reception frequencies for TV stations. All stations which are found are placed in a station table, which is displayed at the end of the search operation. If you are not satisfied with the order in which the stations are stored, you can shift or delete stations (see Section 9, "Sorting stations").

Executing an automatic station search

- Press the „MENU“ key to call the TV menu
- Press the red key to open the „Configuration“ menu.
- Use the cursor control key to select "Automatic station search" and press the "OK" key.
- If your TV set has the appropriate option2), you can select the desired TV standard with the - + key in the setting window (in this example, the standard B/G is selected).
- Use the cursor control key > to select the menu item "Station search (START)" and press the "OK" key to confirm your selection.
- A station table containing all stations which are found is displayed on the left side of the screen.
- At the end of the search, all stations which were found are sorted and displayed.
- To delete any unwanted stations, select them with the cursor and press the **II** key.
- To save the stations, press the "OK" key and enter, with the numeric keys, the number of the programme position where the first station is to be saved. The remaining stations are saved in the following programme positions.

7. Programming stations

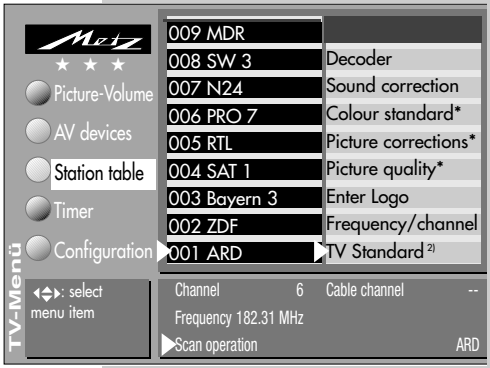
Call the menu

b) Station search

The station search function permits you to search for specific stations if you do not know their channel number or frequency.

Executing a station search

- Press the „MENU“ key to display the TV menu.
- Press the white key ⓕ to display the station table.
- Move the cursor to en empty programme position (or to a position containing a station you wish to replace with the new station).
- Move the cursor to „Frequency/Channel“.
- Press the „OK“ key.
- In the setting window which is then displayed, move the cursor to „Search“.
- Press the - + key to start the search.
- The search stops when the first station is found.
- If you want to save this station, press the „OK“ key.
- If you do not want to save this station, press the - + key again to continue the search.

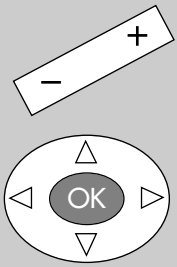


c) Direct channel input

You can programme a station directly by entering its channel number with the numeric keys (you must, of course, know the channel number of the desired station).

Executing direct channel input

- Press the „MENU“ key to display the TV menu.
- Press the white key ⓕ to display the station table.
- Move the cursor to en empty programme position (or to a position containing a station you



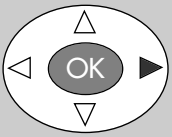
2) Available only on TV sets which are equipped with this option.

* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

wish to replace with the new station).

- Move the cursor to „Frequency/Channel".
- Press the „OK" key.

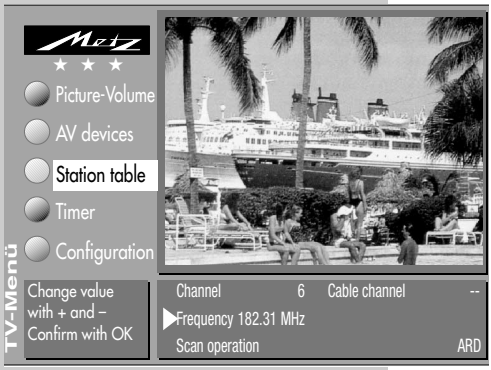
MENU



- In the setting window which is then displayed, move the cursor to „Channel" or „Special channel".
- Enter the number of the channel or special channel with the numeric keys.
- Press the „OK" key to save the station.
- Press the „TV" key to close the menu.

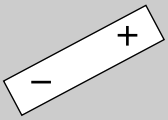
Fine tuning

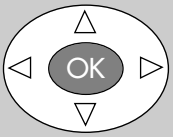
When you programme stations, each channel is automatically tuned to the centre frequency. This is normally sufficient. If this automatic function does not produce satisfactory results, you can carry out fine tuning.



Executing fine tuning

- Select the desired programme position.
- Press the „MENU" key.
- Press the white key to open the station table.
- Move the cursor to the subject card „Frequency/Channel".
- Press the „OK" key to confirm your selection.
- In the setting window, select „Frequency" and use the - + key to change the frequency value until the picture is as clear as possible.
- Save the new setting by pressing the „OK" key.
- Press the „TV" key to close the menu.





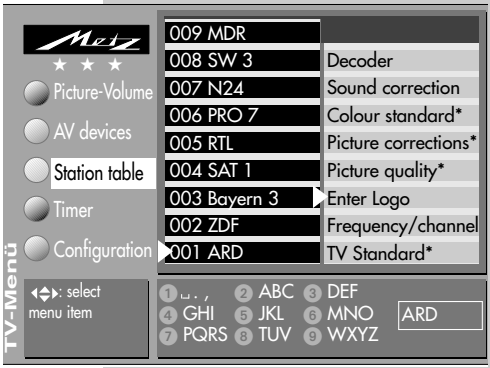
8. Station logo

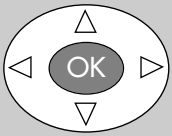
Each station which transmits VPS signals also sends a station logo with up to eight characters, which is automatically assigned to this station in the station list. If this automatic function does not work correctly, or if you want a different station logo, you can overwrite the logo manually.

Setting the station logo

- Select the desired programme position.
- Press the „MENU“ key.
- Press the white key ⓕ to open the station table.
- Move the cursor to the subject card „Logo“.
- Press the „OK“ key to confirm your selection. In the setting window, you can now enter the desired logo with the aid of the numeric keys.
  As long as the red cursor is selected, you can enter the desired letters and digits by pressing the numeric keys (e.g. key 5: J-K-L-5). If you make a mistake, you can delete the characters before the red cursor, one at a time, with the red key. To delete the entire logo, press the II key.
- When you are finished, press the „OK“ key to save the new logo.
- Press the „TV“ key to close the menu.

Call the menu





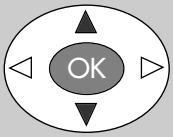
2) Available only on TV sets which are equipped with this option.

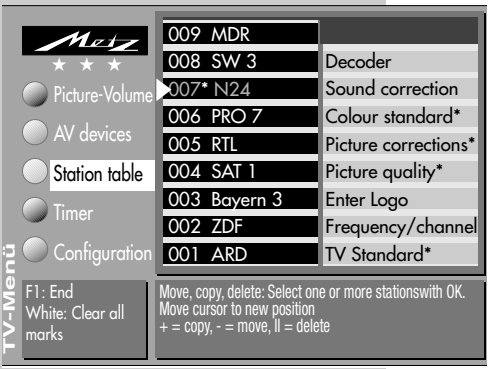
* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

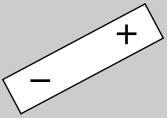
Call the menu

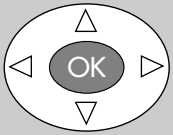
MENU

F1









9. Sorting stations

In the station table, you can shift or copy one or more stations to other programme positions. You can also delete any unwanted stations.

Copying, shifting and deleting stations

- Press the „MENU" key to call the TV menu.
- Press the white key ⓕ to call the station table.
- Press the „F1" key to enable editing of the station table.
- Use the cursor control key to select the programme position you want to copy, shift or delete.
- Press the „OK" key to mark this programme position: the text colour changes to orange and an asterisk is displayed after the last digit of the programme position number (in the example on the left: position 007).
- To shift or copy this station, move the cursor to the programme position before or after which the selected station(s) is/are to be inserted. If these stations originally had a lower position number than this position, it/they will be inserted before this programme position. Stations which originally had a higher number will be inserted after this programme position.
- Press the **-** **+** key to copy (**+**) or shift (**-**) the selected station(s).
- To delete a station, press the **II** key.
- Press the „F1" key to save the new settings

10. Selecting stations

Station selection and programme position management

Your TV set can manage up to 999 programme positions in the station table. You can select these programme positions with the numeric keys, with the oval „P+/P-“ rocker key or via the station table.

When you enter a position number on the numeric keys, the first digit you enter is the „hundreds“ digit. If there are less than 100 programme positions defined, this digit automatically moves to the „tens“ position. If less than 10 programme positions exist, it automatically moves to the „ones“ position.

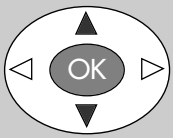
After pressing any numeric key, you have three seconds to enter further digits.

Selecting programmes from the station table

In normal TV mode, you can open the station table with the white key. In the table which is then displayed, you can select a station with the oval „P+/P-“ rocker key. Then press the „OK“ key to switch to this station.
If more than 20 stations are stored in the station table, you can display the next 10 stations by pressing the oval cursor control key.

Return to previous station

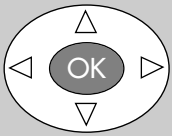
With the red key, you can switch back and forth between the last two stations you selected.

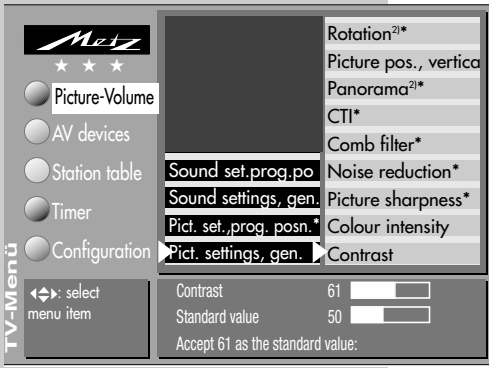


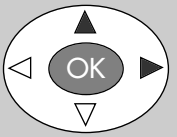
Call the menu

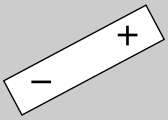
Call the menu

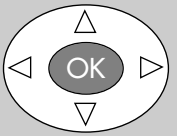
MENU











* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

11. Picture settings, general

☞ ***In a menu with two asterisks (**), the settings for certain menu items cannot be changed.***

You can adjust the picture settings (brightness, contrast, chrominance, etc.) for all programme positions and save these settings as the **standard values**. These standard values can be recalled at any time by pressing the „OK“ key.

Defining the picture settings:

- Press the „MENU“ key to open the TV menu.
- Press the „OK“ key to open the menu „Picture and sound“.
- Use the cursor control key to select the individual picture settings.
- Press the „OK“ key and then use the - + key to change the setting in the setting window.
- Use the cursor control key to select the 3rd line in the setting window "... accept as a standard value: OK".
- Save the new setting as the standard value by pressing the „OK“ key.
- Press the „TV“ key to close the menu

☞ ***If these standard settings are unsatisfactory for some programme positions, you can define special individual settings for these positions as described on the next page.***

Rotation[2)]

This function can be used to compensate for the effects of the Earth's magnetic field. Normally, this adjustment should be necessary only when you first install the TV set, or if you move it to a different location, and the picture is not aligned horizontally on the screen.

2) Available only on TV sets which are equipped with this option.

11. Picture settings, general

☞ ***In a menu with two asterisks (**), the settings for certain menu items cannot be changed.***

Panorama[2] function

☞ **This setting can be made only on 16:9 TV sets.**

The panorama function can be used to expand "normal" programmes in 4:3 format to the 16:9 format. This is done by increasing the width of the picture to fill the complete width of the screen.

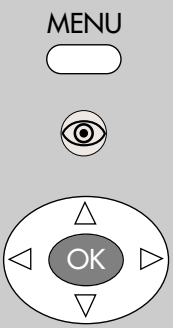
Setting Panorama[2] mode:

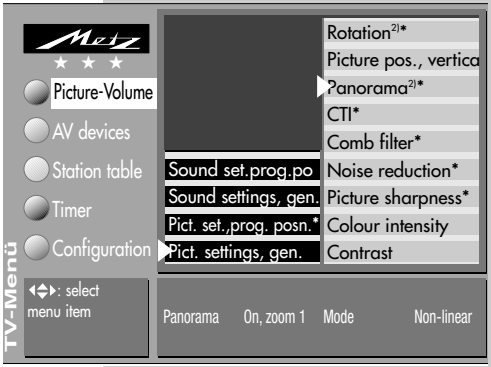
- Press the "MENU" key to open the TV menu.
- Press the "OK" key to open the menu "Picture and sound".
- Use the cursor control key to select "Panorama".
- Press the "OK" key and then, in the setting window, use the - + key to change the setting for "Panorama".
- Use the cursor control key to select the menu item "Mode" and use the - + key to select either "linear" or "non-linear".
- Press the "OK" key to save your changes. The picture shows the factory setting.
- Press the "TV" key to close the TV menu.

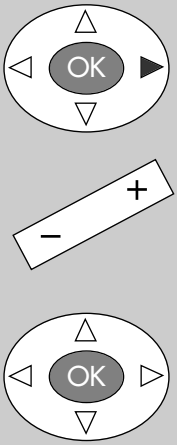
☞ ***The functions "Panorama[2]" and "Zoom" can also be used together.***

2) Available only on TV sets which are equipped with this option.

Call the menu



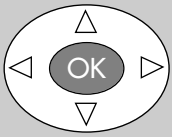




* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

Call the menu

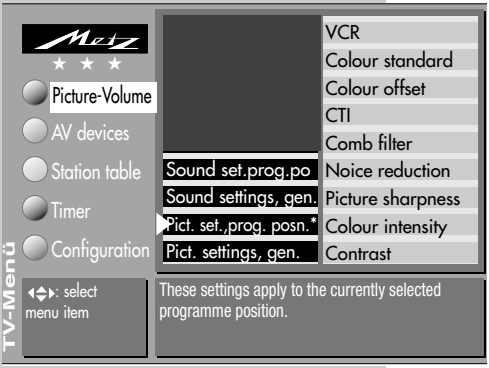
MENU



11.1 Picture settings for a specific programme position ...

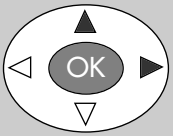
☞ ***In a menu with two asterisks (**), the picture settings for a specific programme position cannot be changed.***

If the standard settings are not satisfactory for certain programme positions, you can define different settings for these positions with the menu item „Picture settings for Pr ...". These settings apply only to the selected programme position and cannot be overwritten by the standard settings.

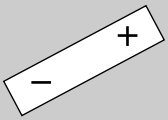


<u>Defining different picture settings for Pr. xy:</u>

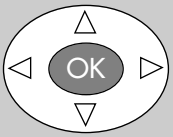
- Select the programme position for which you want to define different picture settings.
- Press the „MENU" key to open the TV menu.
- Press the „OK" key to open the menu „Picture and sound".
- Use the cursor control key to select the item „Picture settings for Pr. xy".



- Press the „OK" key and then select the setting you want to change.



- Press the „OK" key to confirm your selection and then, in the setting window, use the - + key to change the setting.
- Press the „OK" key to save the new setting.
- Press the „TV" key to close the menu.



☞ ***You can also define and recall the individual picture settings in the station table.***

* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

12. Sound settings, general

Call the menu

☞ ***In a menu with two asterisks (**), the settings for certain menu items cannot be changed.***

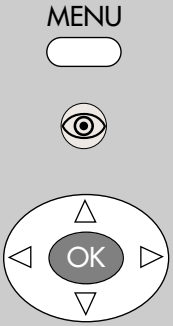
You can adjust the sound settings (volume, treble, bass, etc.) for all programme positions and save these settings as the **standard values**. These standard values can be recalled at any time by pressing the „OK" key.

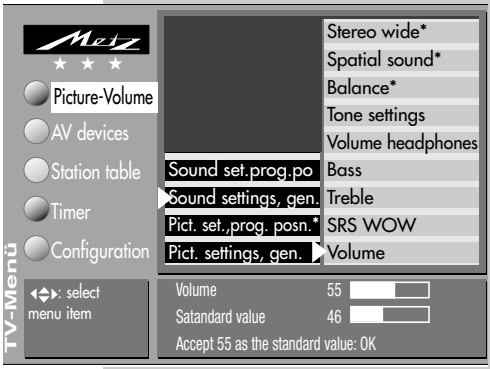
Defining the sound settings:

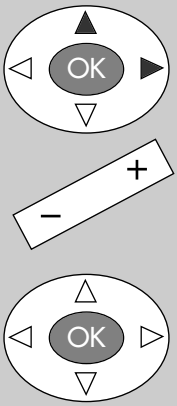
- Press the „MENU" key to open the TV menu.
- Use the blue key ◎ to select the menu „Picture and sound" and press the „OK" key to open it.
- Use the cursor control key to select the item „Sound settings, general".
- Press the „OK" key and then select the setting you want to change.
- Press the „OK" key to confirm your selection and then, in the setting window, use the - + key to change the setting.
- Use the cursor control key to select the third line "Use ... as new standard value: OK".
- Press the „OK" key to save the new setting as the standard value.
- Press the „TV" key to close the menu.

☞ ***If these standard settings are unsatisfactory for some programme positions, you can define special individual settings for these positions as described on the next page.***

SRS WOW function only on TV sets which are equipped with this option.



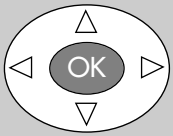




* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

Call the menu

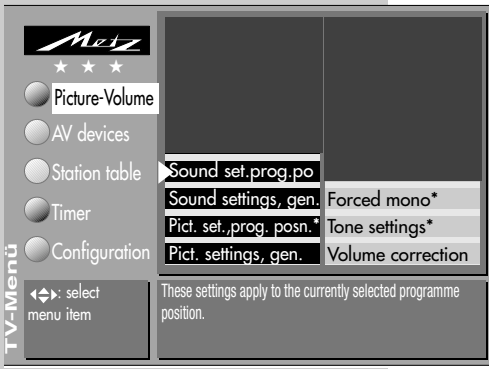
MENU



12.1 Sound settings for a specific programme position ..

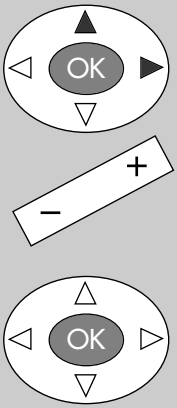
☞ ***In a menu with two asterisks (**), the settings for certain menu items cannot be changed.***

If the standard settings are not satisfactory for certain programme positions, you can define different settings for these positions with the menu item „Sound settings for Pr...". These settings apply only to the selected programme position and cannot be overwritten by the standard settings.



<u>Defining different sound settings for Pr. xy:</u>

- Select the programme position for which you want to define different sound settings.
- Press the „MENU" key to open the TV menu.
- Use the blue key ◉ to select the menu „Picture and sound" and press the „OK" key to open it.
- Use the cursor control key to select the item „Sound settings for Pr. xy".
- Press the „OK" key and then select the setting you want to change.
- Press the „OK" key to confirm your selection and then, in the setting window, use the **-** **+** key to change the setting.
- Press the „OK" key to save the new setting.
- Press the „TV" key to close the menu.



☞ ***You can also define and recall the individual sound settings in the station table.***

* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

13. Colour standard

Call the menu

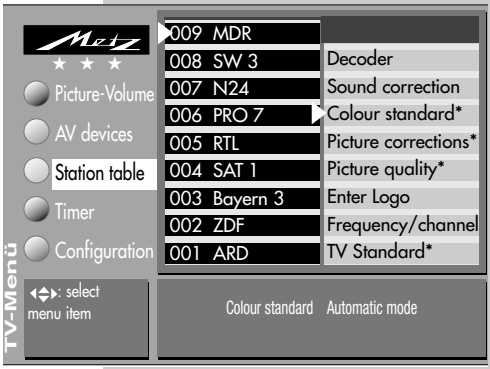
☞ ***In a menu with two asterisks (**), the settings for the menu item "Colour standard" cannot be changed.***

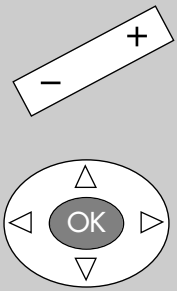
Your TV set normally detects the colour standard (PAL, SECAM, NTSC, NTSC44, PAL60, PAL M) automatically. If this automatic function does not work, you can select the colour standard manually.

The colour standard function is set in the factory to „Automatic“.

<u>Setting the colour standard</u>:

- Select the programme position for which you want to set the colour standard.
- Press the „MENU“ key to open the TV menu.
- Press the white key ⓕ to open the „station table“.
- Move the cursor to „Colour standard“.
- Press the „OK“ key to confirm your selection and then, in the setting window, use the - + key to select the appropriate colour standard.
- Press the „OK“ key to save the new setting.
- Press the „TV“ key to close the menu.

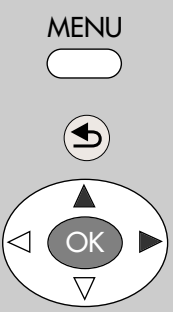


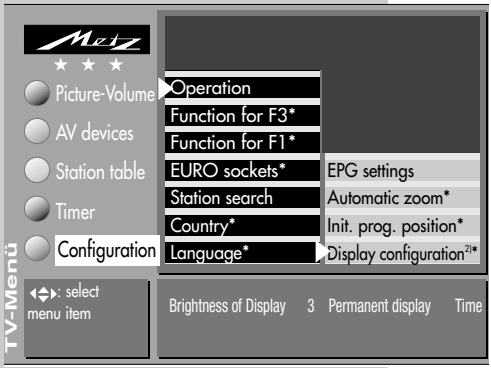


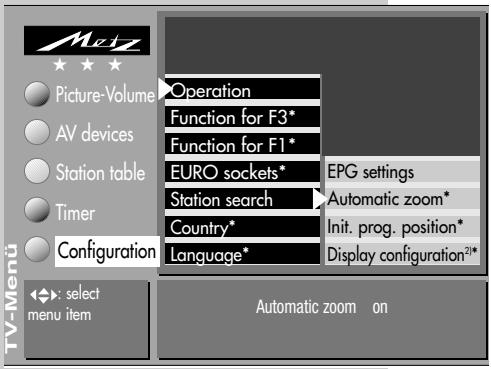
2) Available only on TV sets which are equipped with this option.

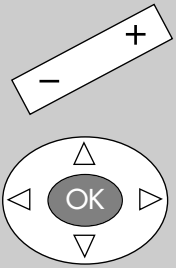
* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

Call the menu









14. Display configuration

☞ ***In a menu with two asterisks (**), the settings for the menu items "Display configuration" and "Automatic zoom" cannot be changed.***

The green 7-segment display[2] can be programmed to show the time or the programme position number.

Setting the display configuration:

- Press the „MENU" key to open the TV menu.
- Press the red key ⮌ to open the menu „Configuration".
- Use the cursor control key to select „Operation" and then „Display configuration".
- Press the „OK" key.
- In the setting window, use the cursor control key to select either „Display brightness" or „Permanent display".
- Change the setting with the - + key.
- Press the „OK" key to save the new setting.
- Press the „TV" key to close the menu.

Setting the automatic zoom

If the automatic zoom function is activated, pictures in "widescreen" format, such as 16:9 programmes, will be expanded automatically to fill the full height of the TV screen.

If the automatic zoom function is deactivated, the picture will not be expanded automatically.

2) Available only on TV sets which are equipped with this option.

* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

15. Childlock

With this function, you can determine when the TV set can be switched on and which programmes may be viewed at specific times. The childlock may be set:

a) for all programmes,

b) so that one to six programmes (Prog A ... Prog F), called permitted programmes can still be viewed,

c) so that all or all permitted programmes may be viewed during a preset period (between the specified start and end times).

After setting, the childlock must be saved with a 4-digit „Code“

Setting the childlock:

- Press the „MENU“ key to open the TV menu.
- Press the green key ⏲ to open the menu „Timer“.

a) Setting the childlock for all programmes:
Use the cursor control key to select „Childlock“ and press the „OK“ key. In the setting window, use the - + key to set the childlock to „Active“.

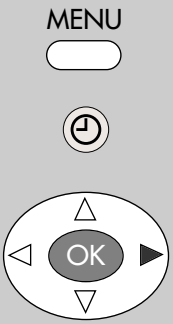
- Press the „OK“ key to save the new setting.

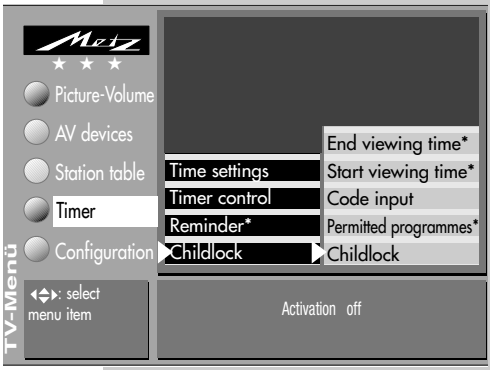
b) Permitted programmes*
Activate the childlock as described in step a), above.
Use the cursor control key to open the file card „Permitted programmes“ and press the „OK“ key. In the setting window, use the numeric keys to enter the numbers of the permitted programme positions or press the „AV“ key to permit use of the AV programme position.

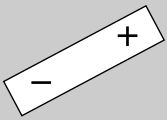
- Press the „OK“ key to save the new setting.

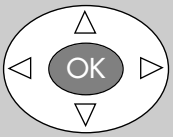
Call the menu

* The number of subjects and sections displayed here depends on the operating scope setting in the menu.



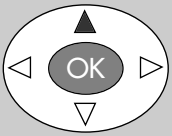


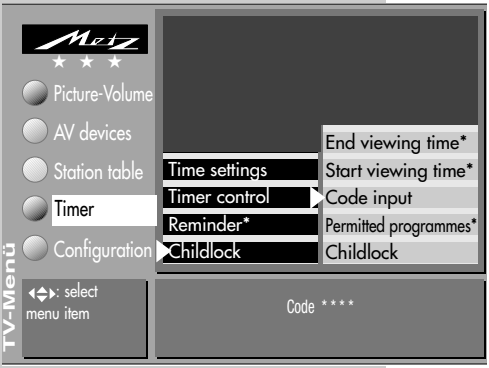


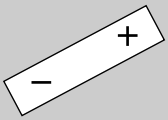


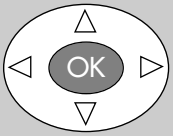
Factory setting
Code: 0000

15. Childlock









c) Start* and end times*
Use the cursor control key to open the file card „Start viewing time/End viewing time"„ and press the „OK" key. In the setting window, enter the start and end times with the numeric keys.

Protecting the childlock settings with a code

- Use the cursor control key to open the file card „Code input" and press the „OK" key. In the setting window, enter your personal code with the numeric keys.

☞ ***Make a note of the code, since the childlock can be switched off only by entering it again!***

- Press the „OK" key to save the code.
- Press the „TV" key to close the menu.
- Switch off the TV set with the ⏻ key.

☞ ***The childlock is activated only when the TV set is switched off.***

Deactivating the childlock

If the childlock is active, this is indicated by the display of a message when you switch the TV set on. If you then enter the correct code, the childlock is temporarily deactivated and the TV set can be operated „normally" as long as it remains switched on. If you wish to permanently deactivate the childlock, proceed as follows:

- Press the „MENU" key to open the TV menu.
- Press the green key ⏲ to open the menu „Timer".
- Use the cursor control key to select „Childlock" and press the „OK" key.
- In the setting window, use the **-** **+** key to set the childlock to „Inactive".
- Press the „OK" key to save the new setting.

* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

16. Reminder

☞ ***In a menu with two asterisks (**), the settings for the menu item "Reminder" cannot be changed.***

If you want to be reminded of something while watching television, you can set a reminder time. At this time, a box with the reminder appears on the screen of the TV set.

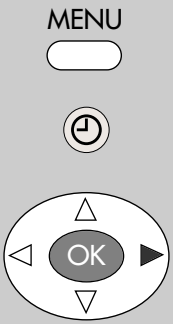
Setting the reminder time

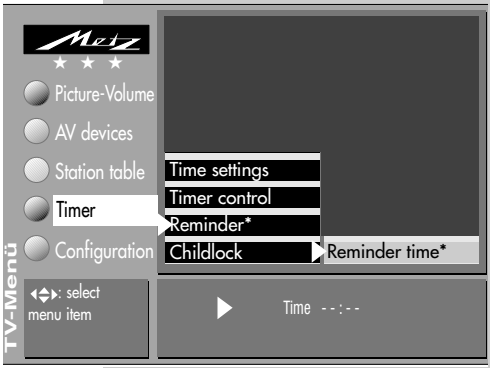
- Press the „MENU“ key to open the TV menu.
- Press the green key ◎ to open the menu „Timer“.
- Use the cursor control key to select „Reminder“.
- Press the „OK“ key twice and then, in the setting window, enter the desired time (four digits) with the numeric keys.
- Press the „OK“ key to save the new setting.
- Press the „TV“ key to close the menu.

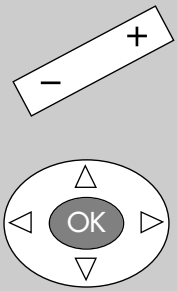
At the specified time, a box with the reminder appears on the screen of the TV set. You can clear this display by pressing any key.

☞ ***If you do not want the reminder to appear each day, you must clear it in the menu by pressing the ll key.***

Call the menu



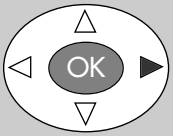


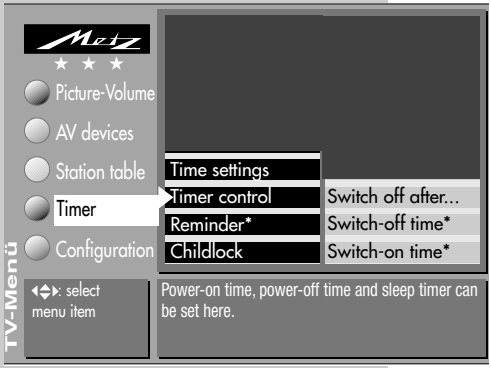


* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

Menü aufrufen

MENU





* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

17. Timer control

☞ ***In a menu with two asterisks (**), the settings for the menu items "Switch-on time" and "Switch-off time" cannot be changed***

In the menu item „Timer control", you can programme a switch-on time, a switch-off time and a sleep timer (switch off after ...).

Switch-on time*: the TV set is switched on at the specified time.
Switch-off time*: the TV set is switched off at the specified time.
Switch off after ...: **(Sleep Timer)**: the TV set is switched off after the period you specify (in increments of 15 minutes).

Setting the times

- Press the „MENU" key to open the TV menu.
- Press the green key to open the menu „Timer".
- Use the cursor control key to select „Switch-on time" or „Switch off time".
- Press the „OK" key twice and then, in the setting window, enter the desired time (four digits) with the numeric keys.
- Press the „OK" key to save the new setting.
- Press the „TV" key to close the menu.

At the specified switch-on time, the TV set switches from standby mode (red LED on) to normal TV mode. If you do not press any key on the remote control unit within 10 minutes, the TV set switches back to standby mode. This ensures that the TV set does not remain switched on if you are not at home.

If you do not want the TV set to switch itself on or off each day, you must clear the times in the menu by pressing the ll key.

18. Setting the time

Normally, the TV set gets the date and time from the data transmitted with the programme (if this station transmits Teletext) and sets the internal clock accordingly.
If the data are not received correctly, or if the station you are watching does not send such data, you can set the date and time manually.
Normally, this function is not needed: even the changeover between summer and winter time is executed automatically.

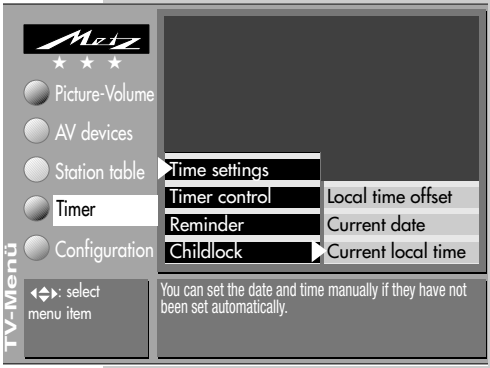
Setting the time and date

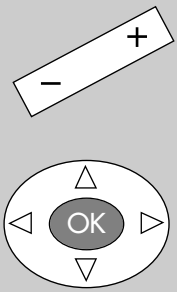
- Press the „MENU“ key to open the TV menu.
- Press the green key ⏲ to open the menu „Timer“.
- Use the cursor control key to select the file card „Set time“.
- Press the „OK“ key twice.
- In the setting window, enter the current time with the numeric keys.
- The clock starts running from this time when you press the „OK“ key.
- Use the cursor control key to select the file card „Current date“.
- Press the „OK“ key.
- In the setting window, enter the current date with the numeric keys.
- Press the „OK“ key to save the new setting.
- Press the „TV“ key to close the menu.

i The local time offset is the difference between the local time and Greenwich Mean Time (GMT). This time difference and any necessary switching between summer time and winter time are normally detected automatically by the TV set.

They need to be set manually only if the TV set does not detect them automatically.

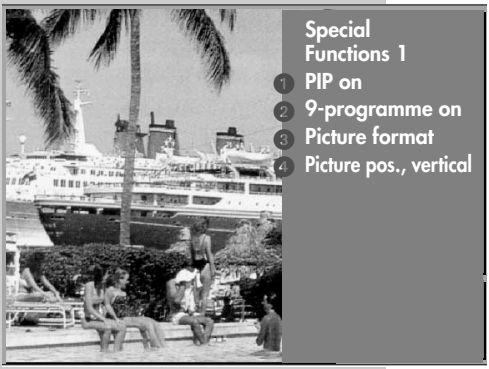
Call the menu



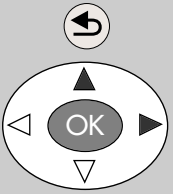


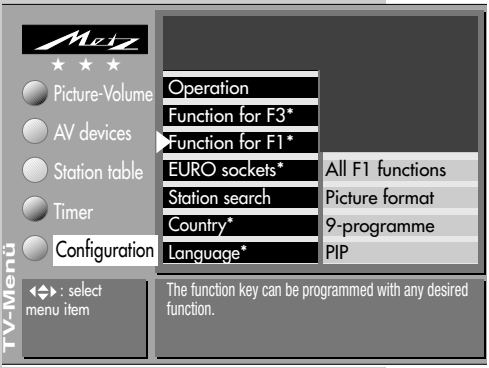
Call the menu

F1



MENU





* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

19. Function keys

The remote control has three functions keys: F1, F2 and F3. You can program function keys F1 and F3 with any desired function.

The function keys are programmed in the factory with the setting "All functions", which means that all available special functions are displayed when you press one of these keys.

Programming function key Fl or F3 with a desired

- Press the "MENU" key to open the TV menu.
- Press the red key to open the "Configuration" menu.
- Use the cursor control key to select "Function for F1 or F3".
- Press the "OK" key and use the cursor control key to select one of the available functions.
- Press the "OK" key and then, in the setting window, use the - + key to set the selected function to "On".
- Press the "OK" key to save your changes.
- Press the "TV" key to close the TV menu.

20. Special functions AV-PIP (picture-in-picture)

Call the menu

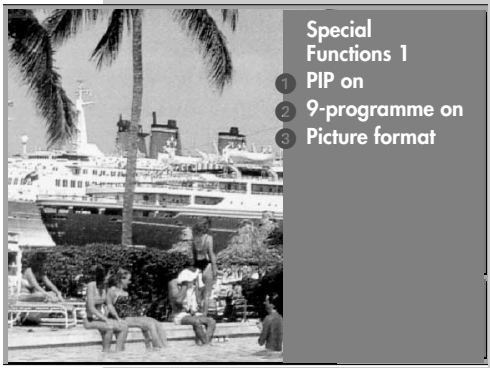
An AV picture (such as that from a security camera) can be displayed within the picture from the currently selected station.

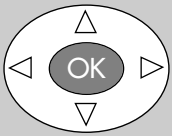
F1

1

<u>Activating AV-PIP (picture-in-picture):</u>

- If "F1" is already programmed with the function "Picture in picture", briefly press the "F1" key; otherwise, hold the "F1" key depressed until "Special functions 1" is displayed and then press the ① key to display the PIP picture.
- The PIP picture can be moved with the aid of the cursor keys ◄ ► . The last position which was selected is saved.
- The frame of the PIP picture can be set to active (red) or inactive (white) by pressing the "OK" key.
- If this frame is red, you can select the AV device by pressing the "AV" key and using the numeric keys.
- Pressing the red key ⏎ swaps the large and small pictures.
- Pressing the green key ⏲ causes the PIP picture to be displayed as the large picture and terminates the PIP function.
- Press the "TV" key to hide the PIP picture.





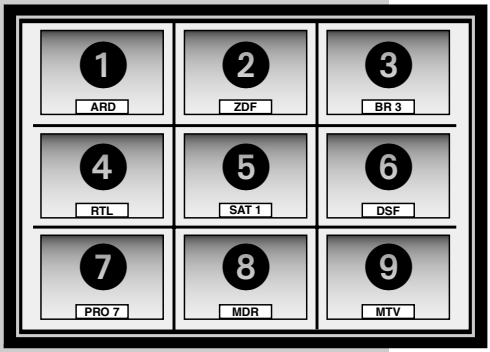
☞ ***If a recording has been programmed in the timer menu, the programme being recorded will be displayed if the PIP function is activated.***

☞ ***If the TV set is equipped with a satellite upgrade kit or a DVB upgrade kit, one of the other programme positions can be selected as the source of the PIP picture.***

Call the menu

F1

2



20. Special functions 9-programme overview

With this function, you can open an overview of the current programme position and the next eight positions. The nine small programme windows are updated at intervals. Each shows a snapshot of the current programme.

Calling the 9 PRG. overview:

- If "F1" is already programmed with the function "9x multipicture", briefly press the "F1" key; otherwise, hold the "F1" key depressed until "Special functions 1" is displayed and then press the ② key to display the 9x multipicture.
- You can use the "P+/P-" rocker key to select the previous or following nine programme positions.
- To switch to one of the programmes displayed in this function, simply press the corresponding numeric key ① to ⑨.
- To terminate the 9 Prg. overview, press the "TV" key.

Not possible with an external satellite receiver!

20. Special functions
Picture format

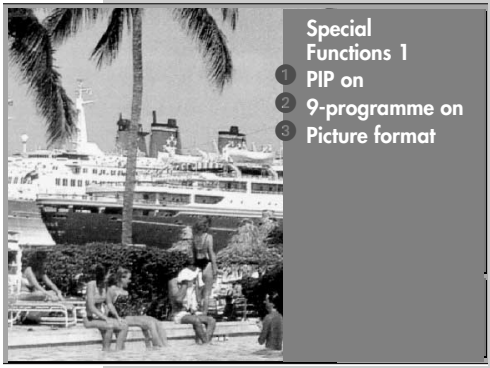
Call the menu

F1

3

Calling the picture format function:

- If "F1" is already programmed with the function "Picture format ", briefly press the "F1" key; otherwise, hold the "F1" key depressed until "Special functions 1" is displayed and then press the ③ key and select the desired picture format.
- You can use the "P+/P-" rocker key to select the various functions. You can also set the zoom factor for the selected picture format within the next five seconds.
- The settings made here (except for the automatic zoom in the TV menu) remain stored until you switch to another programme position or switch off the TV set.



Zoom

After selecting the "Zoom" function, you can adjust the zoom factor with the - + key.

In addition to adjusting the zoom factor, you can move the picture up or down on the screen so that, for example, the station logo or subtitles remain visible. To do this, press the F1 key and then the ④ key and move the picture with the "P+/P-" rocker key.

Standard 4:3

This is the standard setting for all programmes with the aspect ratio 4:3.

Panorama*

With the Panorama function, you can adjust the picture of a programme in 4:3 aspect ratio to fill the 16:9 format of the screen (only on sets with 16:9 screen). The picture is expanded uniformly in the horizontal direction. You can also zoom the picture. The Panorama function can be switched on and off in the menu "Picture and Sound" under the heading "Picture settings, general".

16:9 full screen

This function is used to display the picture format of external devices (such as 16:9 video recorders) with the correct aspect ratio.

Call the menu

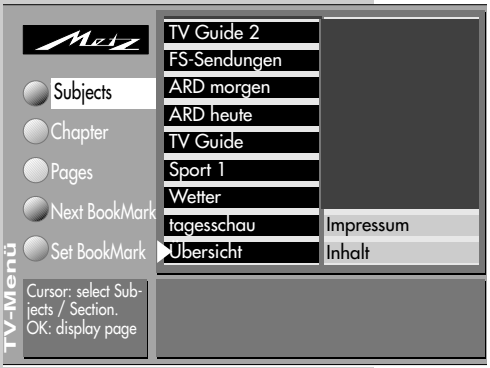
21. Teletext

TEXT

i Teletext is a free information service provided by many TV stations. Within this „electronic newspaper", you can scroll through the pages in various ways.

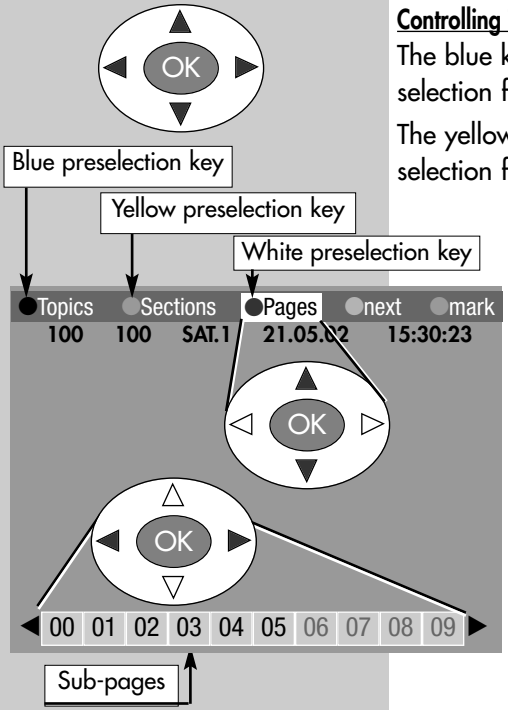
Calling Teletext:

- Press the „TEXT" key.



If the station you are watching transmits „TOP" teletext, two file-card boxes are displayed (see the picture on the left). Otherwise, page 100 appears (see the lower picture).

- In the case of „TOP" stations, you can select a file card with the cursor control key.
- After selecting a card, press „OK" to open it.



Controlling Teletext when the pages are displayed directly:

The blue key is used to preselect the subject selection function.

The yellow key is used to preselect the section selection function.

The white key is used to preselect the page selection function.

After pressing one of these preselection keys, you can step through the subjects, sections or pages with the rocker switch „P+/P-".

You can also move directly to a page by entering its number with the numeric keys. If multiple sub-pages exist for the selected page, their numbers are displayed in black. In the example on the left, there are five sub-pages.

You can scroll through the sub-pages with the cursor control key.

21. Teletext

Double font size

When viewing Teletext pages, you can switch to a larger font with the F1 key. The first time you press this key, the upper third of the page is displayed with the large font. Pressing it again displays the centre third of the page and pressing it a third time displays the bottom third of the page. Pressing the key a fourth time returns to the full-page display with the normal font size.

Riddle solution key

Function key F2 is programmed to display hidden text on a Teletext page, such as the solutions to riddles.

Return to last contents page

You can return directly to the last contents page at any time by pressing the ⓪ key.

Teletext: setting marks[3)]

You will probably have your favourite Teletext pages, such as stock exchange reports, news, weather forecasts, which you visit frequently.
To permit rapid access to such pages, you can set so-called „marks" on these pages.
To do this, first go to the page on which you want to set the mark.

- Then press the red key ⓢ for „Set mark" to set a mark on this page. A „paper-clip" symbol appears at the top left corner of the page. If the page has sub-pages, the mark is always set and displayed on the currently displayed sub-page.

☞ ***Up to 10 marks can be set on each programme position. The total number of marks (on all programme positions) is restricted to 120.***

3) Not possible with an external satellite receiver!

21. Teletext

Teletext: scrolling by marks[3)]

With Teletext active, you can scroll sequentially through all marked pages by repeatedly pressing the green key

You can even view your favourite pages directly from the TV mode with the „TEXT" key. Pressing the „TEXT" key opens Teletext and selects the first marked page. You can then scroll through the marked pages with the „TEXT" key. Pressing the „TEXT" key with the last marked page displayed switches back to the TV programme.

Teletext: displaying active marks[3)]

If marks are set for a programme position, pressing the F3 key displays a list of all marks, showing where they are set. Pressing F3 again hides the list. With the list displayed, you can select any desired mark with the numeric keys.

Teletext: deleting marks[3)]

Call the teletext page whose mark you want to delete and press the red key „Clear mark" to delete the mark.

Teletext: subtitles

Your TV set can display subtitles transmitted on Teletext together with the programme. If such subtitles are available, the station normally displays a message at the beginning of the programme, telling you where to find the subtitles.

- Press the „TEXT" key to open Teletext.
- In the case of ***„TOP" stations***, press the „OK" key to open any page.
- Use the numeric keys to enter the number of the page containing the subtitles.

3) Not possible with an external satellite receiver!

22. AV devices

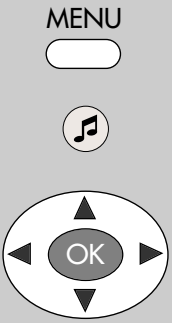
Call the menu

AV (Audio/Video) devices are devices which provide picture and/or sound signals for playback on your TV set (for example, video cassette recorders, DVD players, etc.).

In the menu „AV devices“, the setting window displays a list of all common AV units.

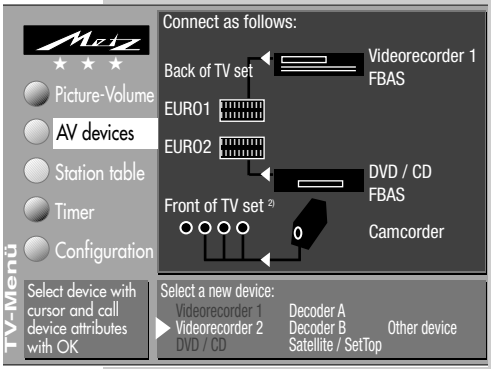
☞ ***Always connect AV devices exactly as shown in the connection diagram in the TV menu of your TV set!***

SVHS/Hi8 and Data Logic video recorders must always be connected as „Video recorder 1“. A „normal“ VHS video recorder may be connected as „Video recorder 1“ or „Video recorder 2“.

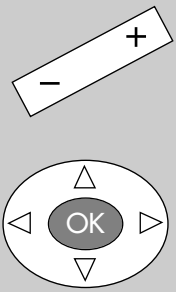


Connecting AV devices

- Press the „MENU“ key to open the TV menu.
- Press the yellow key ♫ to open the menu „AV devices“. In the factory, a video recorder is programmed for the EURO 1 socket and a DVD player for the EURO 2 socket. If you want to change these settings, you can select one of the AV devices with the cursor control key and delete it by pressing the **II** key.



- Use the cursor control key to select the device you wish to connect to the TV set.
- Press the „OK“ key to confirm your selection and, in the setting window, set the parameters „Signal OUT“ and „Signal IN“ to match the AV device (see the operating instructions for the AV device for details).
- Press the „OK“ key. The newly connected device appears in the connection diagram.

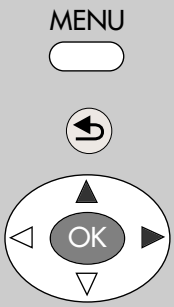


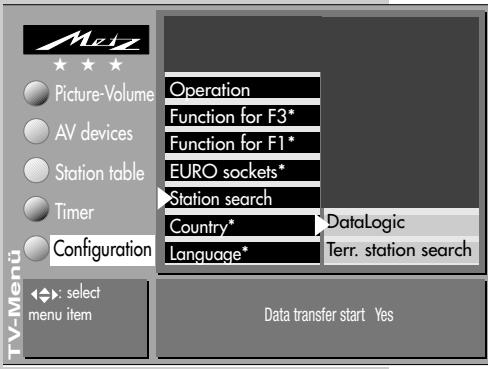
☞ ***Caution: connecting a new device may cause an existing connection to be modified. If this happens, you will have to move the cables for the affected AV device to the correct positions.***

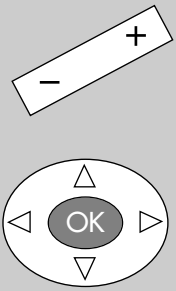
2) Available only on TV sets which are equipped with this option.

Call the menu

☞ ***In a menu with two asterisks (**), the settings for this menu item cannot be changed.***







* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

22. AV devices

Data Logic video recorder

i **„Data Logic"** is a system which permits a dialogue between the TV set and a video recorder. This „intelligent" system provides such functions as:

- Automatic transfer of the settings for terrestrial and cable stations to the video recorder.
- One-touch recording: the video recorder records the programme you are currently watching.
- Automatic switching to the AV programme position.
- Direct control of recording from the timer menu of the TV set.
- Automatically switching off the video recorder when the TV set is switched to standby mode.

In the menu „AV devices", activate the option „Data Logic" under „Video recorder 1" and connect the video recorder to the EURO 1 socket.

☞ ***Data Logic will function correctly only if the video recorder is connected to the EURO 1 socket.***

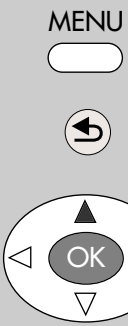
Other comparable dialogue systems: Qlink (Panasonic), EasyLink (Philips), Megalogic (Grundig, SMARTLINK (Sony).

Data Logic: transferring the station table

- Press the „MENU" key to open the TV menu.
- Press the red key ⮌ to open the menu „Configuration".
- Use the cursor control key to select „Automatic station search".
- Press the „OK" key and then use the cursor control key to select „Data Logic".
- Press the „OK" key and then, in the setting window, select „Start data transfer: yes" with the **-/+** key.
- Press the „OK" key to transfer the stations table from the TV set to the video recorder
- Press the „TV" key to close the TV menu.

22.1 AV playback

Call the menu



AV playback

(Devices with switching voltage)

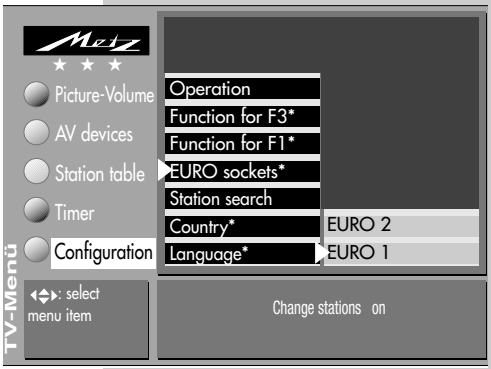
AV playback is the term for playing back video-cassettes, DVDs, etc. from an AV device for viewing them on a TV set.

In order to view the pictures, you must programme your TV set so that it automatically switches to the AV programme position when a signal is received at the EURO socket to which the AV device is connected.

Programming automatic switching

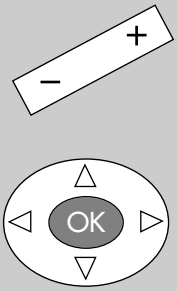
☞ ***In a menu with two asterisks (**), the settings for this menu item cannot be changed.***

☞ ***Programme switching is set to "On" in the factory for both EURO sockets.***



- Press the „MENU“ key to open the TV menu.
- Press the red key ⮌ to open the menu „Configuration“.
- Use the cursor control key to select „EURO socket“.
- Use the cursor control key to select „EURO 1 or „Euro 2“.
- Press the „OK“ key and then, in the setting window, set „Programme switching“ to „ON“ with the - + key.
- Press the „OK“ key to save the new setting.
- Press the „TV“ key to close the TV menu.

When you subsequently start a playback operation on the connected AV device, the TV set switches to playback mode, regardless of the currently selected programme position.



* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

22.1 AV playback

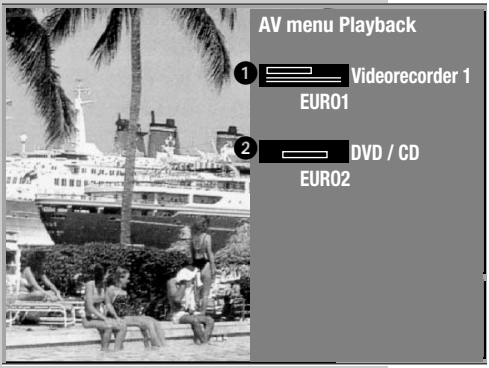
AV

AV playback

(Devices without switching voltage)

In order to view the pictures, you must manually switch your TV set to playback mode.

- Select any programme position.
- Press the „AV" key.



- Press the numeric key for the desired AV device.
- The TV set now switches from the current programme to playback mode.
- Start the playback operation on the AV device. Playback mode remains active until you switch to another programme position.

Picture quality when playing back from tape machines

The VCR function provides the best possible picture quality when playing back recordings from a tape machine, such as a camcorder or video recorder.

Setting the VCR function

- Select the appropriate programme position.
- Press the „MENU" key to open the TV menu.
- Press the „OK" key to open the menu „Picture and sound".
- Use the cursor control key to select „Picture settings for Pr xy".
- Press the „OK" key and then use the cursor control key to select „VCR".
- Press the „OK" key for confirmation and use the **-/+** key to select „Opt. 1". If this setting does not produce a satisfactory picture quality, switch to „Opt. 2".
- Press the „OK" key to save the new setting.

☞ ***In a menu with two asterisks (**), the settings for the menu item "VCR" cannot be changed.***

2) Available only on TV sets which are equipped with this option.

22.2 Copying between AV devices

- Select any programme position.
- Press the „AV“ key to display the „AV menu Playback“.
- Select the AV playback device with the numeric keys.
- The TV set switches from the current programme to the selected playback device.
- Press the „AV“ key again.
- Then press the red key ⮌ to select the recording device.
- Press the green key to lock the selected signal connection. If a Data Logic video recorder is connected, it will immediately start to record, providing there is a cassette with a protection tag inserted.
- Start recording with the recording AV device.
- Play back with the playback AV device.

23. EPG - NexTView

NexTView is an **E**lectronic **P**rogram **G**uide (**EPG**) for all important programme providers. This EPG is transmitted by various stations and also contains the programme data for the other stations.

The TV set needs about 20 minutes to collect the large amount of data for the first time.

- On TV sets with two tuners (standard configuration) the data are collected by the second tuner (see the next page) during normal operation of the TV set. When the data have been collected, the TV set stores the EPG in a special memory. The EPG is updated regularly in this memory as long as the TV set is not switched off with the main switch.
- On TV sets with only one tuner (e.g. if your set has been converted and has only one satellite tuner):

- the set must be left tuned to the NeexTView programme position for at least 20 minutes, or
- the data are collected during the night (between 02:30 - 03:00) while the set is in standby mode.

Not possible with an external satellite receiver!

23.1 Activating the EPG NexTView

The EPG function can be switched on by pressing the keys "F3" and ② if an EPG programme position is defined in the menu (see below).

On all programme positions where NexTView is received, the TV set displays the following message after a short delay:

This station is sending NexTView (EPG). Save it as the EPG programme position?

- Yes
- No

The TV set is asking you whether you want to use this programme position for collecting the data for the EPG NexTView.

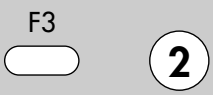
Press the red key for "No" - this programme position is not used for receiving the NexTView data. The message is still displayed for all other programme positions where NexTView data are received.

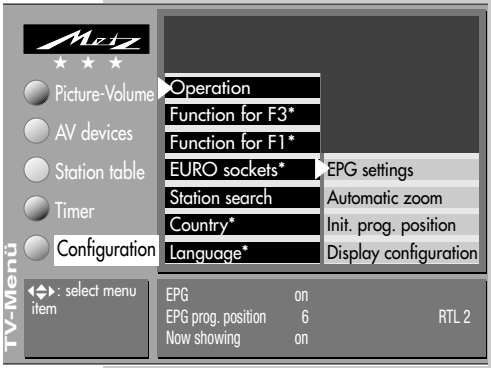
Press the green key for "Yes" - this programme position will be used for receiving the NexTView data. The message is then not displayed for other programme positions where NexTView data are received.

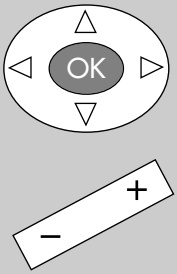
If you know the programme position for a NexTView station, you can also enter its number directly on the numeric keys.

You can overwrite any existing programme position number or delete the number by pressing the **II** key.

Call the menu







* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

Not possible with an external satellite receiver!

23.2 Collecting NexTView data

The EPG NexTView is transmitted by various stations and the information provided by each station may differ. You thus have a choice between several different NexTView programme guides.

- On TV sets with only one tuner (e.g. if your set has been converted and has only one satellite tuner):
  Switch to the NexTView programme position.
  Leave it on this programme position for at least 20 minutes.
- TV sets with two tuners:
  The TV set collects the NexTView data with the aid of its second tuner.

Special notes:

Stations which are listed in the TV station list of the TV set with an automatic logo (set automatically by the TV set) are also shown in the EPG. Stations which carry two different programmes (such as a children's programme in the daytime and another programme in the evening) must be stored in two different programme positions.

The collection operation is interrupted or cancelled if:

- you switch the programme position from terrestrial to SAT or vice versa;
- you call the "Picture in Picture" function;
- you open the Teletext function;
- a recording is programmed in the menu "AV recording";
- a "timer recording" is running or will begin within the next hour;
- the Teletext function "Subtitles" is active.

If the TV set is switched to standby mode during data collection, the text "NexTView" appears on the green display to remind you that the data-collection operation is still running.

Not possible with an external satellite receiver!

23.3 Using NexTView

Call the menu

F3

2

Once all of the data have been collected, pressing the "F3" and ② key displays the NexTView programme guide, showing the programme currently running on this programme position.

The left column of the EPG shows the keys with special functions in this mode:

P+/P- Select a programme

OK Watch the selected programme or set a reminder for it

Cursor control key ◄ ► Scroll forward or back through the programme times

0-9 Enter a time for which programmes are to be displayed

TV Return to the TV picture

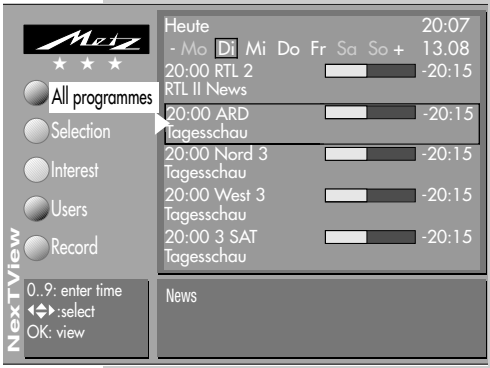
blue Display all programme types

yellow Display only programme types which match the current user and their preferences

white Set user preferences

green Select a user (father, mother, teenager, child)

red Selected programme is ready for recording (see Page 48)



Selecting and viewing a programme, setting a reminder

In the EPG, you can select a programme with the "P+/P-" rocker key.

• By pressing the "OK" key, you can

- watch the programme if it is already running or
- set a reminder for it if it starts later. In this case, a green check mark appears after the start time.

• Press the "TEXT" key to display or hide the description of the programme. This description cannot be displayed for all programmes.

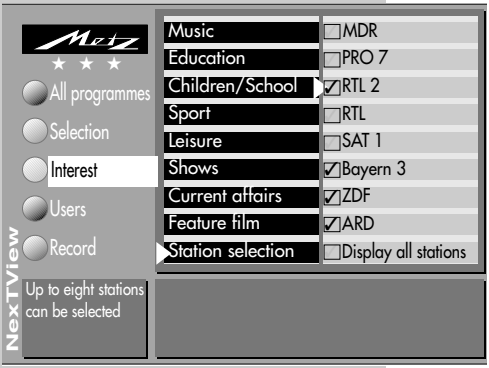
Not possible with an external satellite receiver!

23.3 Using NexTView

Setting the user

By repeatedly pressing the green key, you can set the current user (father, mother, teenager, child) for the NexTView programme guide.

Setting preferences

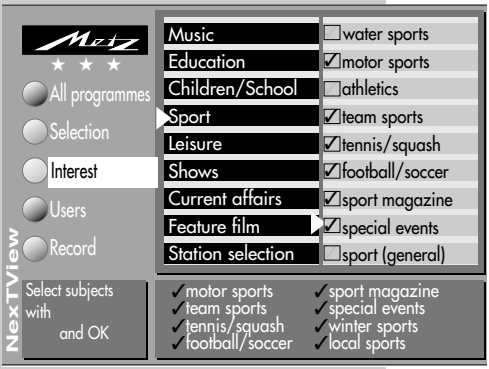


Each user can set the NexTView programme guide to reflect the personal preferences.

- Press the white key ⓦ .
- Use the "P+/P-" rocker key to select one of the blue cards.
- Use the cursor control key to switch to the yellow page.
- Use the "P+/P-" rocker key to select the appropriate yellow cards and mark each one by pressing the "OK" key.

☞ ***Up to eight preferences can be selected for each user.***

- You can remove the red check marks again by pressing the "OK" key.
- Save the selected preferences by pressing the red key ⓡ .



Not possible with an external satellite receiver!

23.3 Using NexTView
Recording a programme

Call the menu

If you have a Metz video recorder with dialogue system, the NexTView programme guide permits you to start a recording by pressing a single key.

- Open the NexTView programme guide.
- Use the "P+/P-" rocker key to select the programme you want to record.

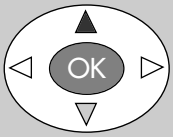
If a **video recorder with dialogue system** is connected:

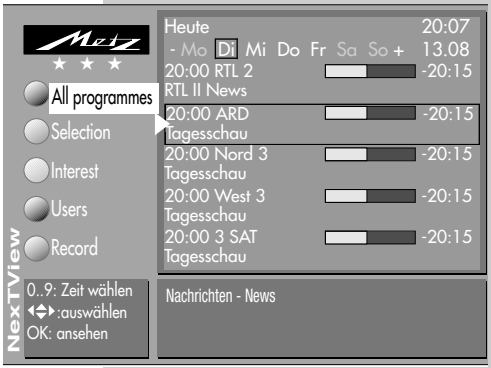
- Switch on the video recorder.
- Insert a cassette.
- Press the red key ⏎ on the remote control of the TV set.

If a **normal video recorder** is connected:

- Switch on the video recorder.
- Insert a cassette.
- Press the red key ⏎ on the remote control of the TV set - the TV timer is programmed.
- On the video recorder programme a timer with the date and time on the AV programme position so that the programme provided by the TV timer will be recorded.

EPG

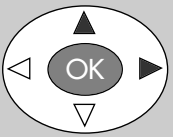


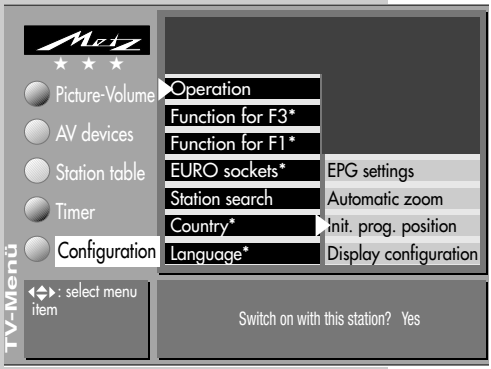


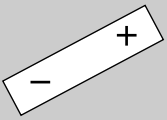
☞ ***If you want to record a programme from a terrestrial station (received via antenna or cable), you must programme the video recorder itself.***

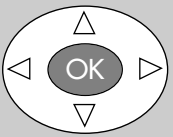
Not possible with an external satellite receiver!

Call the menu









24. Initial programme position

You can define a so-called initial programme position in this TV set. This is intended primarily to enable you to switch to the AV programme position when you are using an external SAT receiver.

Setting the initial programme position

☞ ***In a menu with two asterisks (**), the settings for this menu item cannot be changed.***

In the menu „AV devices“ (see also section 22, „AV devices“), select and connect a SAT receiver (SAT/SetTop).

- Press the „AV“ key.
- In the „AV playback menu“, use the numeric keys to select the position „SAT/SetTop“.
- Press the „MENU“ key to open the TV menu.
- Press the red key ⮌ to open the menu „Configuration“.
- Use the cursor control key to select „Operation“ and then „Initial programme position“.
- Press the „OK“ key and then, in the setting window, use the - + key to select „Yes“.
- Press the „OK“ key to save the new setting.

☞ ***After this, the AV programme position will be selected automatically if you switch your TV set on with the main switch and then press the ⏻ key on the remote control unit.***

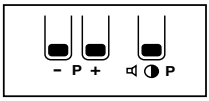
* The number of subjects and sections displayed here depends on the operating scope setting in the menu.

2) Available only on TV sets which are equipped with this option.

25. Operation without the remote control unit

The following procedures are intended only for cases where the batteries of the remote control unit are exhausted or the remote control unit is not available.

The TV controls are at the front of the set. Depending on the TV model, they are located underneath a cover which can be opened by pressing at the marked position.



Switching on

Press the main switch on the TV set to switch to standby mode. To switch the set on with programme position 1 selected, press and hold the key **F** or **P** until the green LED lights up.

You can also execute the following functions with the controls on the front of the TV set. The preselected function remains active for 10 seconds.

Changing programme positions:

Press the **-/+** keys.

Volume:

Press the preselection key **F** or **P** until the bar display for volume appears on the screen. Then press the **-** or **+** key to adjust the volume.

Contrast:

Press the preselection key **F** or **P** until the bar display for contrast appears on the screen. Then press the **-** or **+** key to adjust the contrast.

26. Technical data

Mains voltage:
230 V ~ 50 / 60 Hz
240 V ~ (Australia only)
Antenna input::
75 Ohms unbalanced
DIN 45325
Reception bands:
Standard channels 2 - 12,
21 - 69
Special channels S1 - S20,
S21 - S41,
S42 .. S46 (Belgium OIR channels)

Power consumption:

	Power consumption (to CENELEC/TC 59 X)	Music output power to DIN 45324 into 4Ω(at 1 kHz (sinusoidal power)
Spectral-55	ca. 90 W	2 x 12 W (2 x 8 W)
Astral-72 MK II	ca. 105 W	2 x 8 W (2 x 5 W)
Astral-63	ca. 118 W	2 x 8 W (2 x 5 W)
Spectral-70	ca. 125 W	2 x 20 + 40 W (2 x 12 + 24 W)
Linea-72	ca. 115 W	2 x 12 W (2 x 8 W)
Linea-70 Nordkap-70	ca. 108 W	2 x 12 W (2 x 8 W)
Kreta-72 Spectral-82 MK II	ca. 125 W	2 x 20 + 40 W (2 x 12 + 24 W)
Astral-82	ca. 130 W	2 x 20 + 40 W (2 x 12 + 24 W)

Power consumption per hour:
See power consumption in Wh.
Standby mode: approx. 1.7 W

27. Options

- **Satellite upgrade kit 081 NH 1017**

for reception of satellite stations without the need for a separate SAT receiver.

- **Satellite upgrade kit 083 NH 1014**

similar to the above, but also capable of receiving unencrypted ADR (Astra Digital Radio) stations.

- **DVB-S upgrade kit 024 NK 1029 or 024 NL 1126**

for reception of analogue and digital satellite stations broadcasting TV, radio and Astra Digital Radio (ADR) programmes without the need for a separate SAT receiver.

- **DVB-T upgrade kit 056 NH 1114 (CI)**

for the reception of digitally transmitted terrestrial TV and radio stations which can be received with a rod antenna or a terrestrial house antenna without the need for an separate receiver.

For other upgrade kits, please consult your local dealer.

Important note for users of the TV set:
Unauthorised modification of this TV set, in particular changing the high voltage or using a CRT of a different type, can result in the emission of high levels of X-ray radiation. TV sets modified in this manner no longer conform to the official approval for operation and may not be used.

28. Connecting headphones

The headphone socket is located on the front of the TV set. On many models, you must first open a cover by pressing at the marked location in order to expose the socket.

We recommend using headphones with an impedance of at least 32 Ω. The use of headphones with a lower impedance (about 8 Ω) will reduce the dynamic range.

The headphone volume can be saved as one of the standard settings. In the case of dual-language programmes, you can listen to either sound channel 1 or 2 on the headphones, regardless of the channel selected for the loudspeakers.

29. Cleaning the TV set

☞ **Always switch off the TV set with the main switch before cleaning it!**

Clean the case of the TV set only with a soft, dry (or slightly moistened) cloth. Do not use aggressive detergents or scouring powders, since these could damage the paintwork and/or remove the inscriptions. Clean the screen with a moist window leather.

30. Glossary

AV programme position

AV devices have one or more sockets, depending on the model. These sockets are labelled on the device, for example with AV1.
These sockets can be selected on the AV device and the selected socket is shown on the display of the AV device, for example A1 for socket AV1.

Comb filter

In conventional TV sets, the luminance signal and the chrominance information are separated from each other with a frequency separating filter. However, this means that a certain amount of the luminance signal is still included in the colour signal and can cause interference (cross-luminance) and that a certain amount of the colour signal causes interference in the luminance signal (cross-colour). The comb filter prevents these problems.

Just like a comb, this filter extracts the colour signal, which is located in the gaps of the luminance signal, without affecting the bandwidth of the luminance signal. The result is a TV picture with the maximum possible resolution and without cross-colour or cross-luminance interference.

Code

The settings for the childlock are protected by a 4-digit numerical code which you can set a desired. Write down or remember the code you define. If you forget the code, ask your local dealer for assistance

CTI

The CTI (Colour Transient Improvement) circuit is an electronic circuit which ensures precise transitions between differently coloured parts of the picture, preventing the colour smearing which could otherwise occur. The CTI function is active for programmes received via the antenna input and for picture signals from AV devices.

30. Glossary

Forced mono

In some cases, your TV set may switch from mono to stereo during a programme, although the station is not transmitting a stereo signal. This is normally due to the local reception conditions. If you activate „forced mono“ for the selected programme positions, all programmes will be reproduced in mono, regardless of the received signal.

Noise reduction

This setting can be used to improve the quality of pictures with „snow“ or other noise resulting from poor reception conditions. Depending on the amount of interference, various correction facilities are available and the noise reduction can be set individually for each programme position.

Panorama

The panorama function permits "normal" programmes in 4:3 format to be adapted to the 16:9 format of the CRT. This is done by expanding the width of the picture to fill the entire width of the screen.

Rotation

This function can be used to compensate for the Earth’s magnetic field. It may be needed when the TV set is first installed, or if the TV set is moved to a different location, and the picture is not aligned horizontally on the screen.

Stereo wide

When receiving programmes with stereo sound, the physical distance between the loudspeakers can be increased artificially to improve the stereo effect.

Standard settings

Standard settings are all values (such as brightness, volume, chrominance, etc.) which are the same for all programme positions.

30. Glossary

Spatial sound

An artificial stereo effect can be generated for mono transmissions.

SRS WOW

WOW, a special combination of audio technologies from SRS Labs, Inc., creates a unique listening experience, complete with deep rich bass, and fuller, better sounding audio. When the WOW function is activated, it restores many of the spatial cues and ambient information that are lost during standard stereo playback.

In normal TV mode, the WOW function can be preselected with the yellow key (sound functions) and then switched on or off with the **-** **+** key.

is a trademark of SRS Labs, Inc.

WOW technology is incorporated under license from SRS Labs, Inc.

Tone settings

You can switch the tone settings between „Normal“ and „Speech“.

Volume correction

The sound signals from different stations may vary considerably in their volume. You can correct the volume of a particularly loud or soft station so that it is similar to that of the other stations. The volume correction remains active even when the standard values are recalled.

VCR

The VCR function ensures optimum picture quality when playing back recordings from tape devices such as camcorders and video recorders.

Problem	Possible cause	Remedy
The TV set does not react to commands from the remote control unit.	• There is no visual contact between the remote control unit and the TV set. • Sunlight is falling directly on the infrared of the TV set. • The batteries in the remote control unit are exhausted. • The TV set has been switched off with the mains switch. • The microprocessor is faulty.	• Ensure that there are no obstacles. • Avoid direct exposure to sunlight. • Replace the batteries. • Switch on the TV set with the mains switch. • Switch the TV set off with the mains switch and then switch it on again.
Unnatural colours, coloured spots on the screen	• Strong magnetic fields in the vicinity of the TV set (from loudspeakers or other devices)	• Move the loudspeakers away from the TV set. • If the coloured spots persist, switch the TV set off with the mains switch, wait a few seconds and then switch it on again.
After the TV set has been switched on, the message „Please enter code" is displayed.	• The childlock function has been programmed to prevent selection of any station.	• Enter the code number with which the childlock function was programmed.
The TV set does not switch to the selected programme position. Instead, a list of stations is displayed with a teddy-bear symbol.	• The childlock function has been programmed to permit selection of only the stations shown in the list.	• Enter the code number with which the childlock function was programmed.

Problem	Possible cause	Remedy
Immediate recording of a terrestrial station (received via your house antenna or cable) with Data Logic does not work.	• The Data Logic video recorder is not connected to the house antenna or cable outlet.	• Connect the Data Logic video recorder to the house antenna or cable outlet with the aid of an antenna cable.
General problems with an external AV device connected to the TV set.	• The AV device has not been set up correctly in the TV set.	• In the menu „AV devices“, select the appropriate device with the cursor, set the „Signal OUT/IN“ accordingly and press the „OK“ key. Connect the AV device only as shown in the connection diagram.
Data Logic does not work.	• The Data Logic video recorder with data interchange has not been set up correctly in the TV set. • The Data Logic video recorder is not connected to the EURO1 socket. • The Euro-AV (Scart) cable being used does not have all 21 pins connected.	• In the menu „AV devices“, define the Data Logic video recorder as video recorder 1 with „Datalogic ON“. • Connect the Data Logic video recorder to the EURO1 socket with a Scart cable. • Use a Euro-AV (Scart) cable with all 21 pins connected.

Index

Automatic station search 14
Automatic zoom 26
AV devices, connecting 39
AV programme position 27, 40, 49, 50, 55
AV picture-in-picture (PIP) 33
AV playback, devices with switching voltage .41
AV playback, devices without switching voltage .42

Batteries for remote control unit 6

Camcorder, connecting 39
Channel frequency setting 16
Childlock 27
Cleaning the TV set 54
Code for childlock 28
Colour standard 25
Comb filter 55
Connecting external devices 39
Copying 43
Country 13
CTI 55
Cursor 8, 9

Data Logic video recorder 40, 60
Decoder, connecting 39
Display configuration 26
Double font size 37
DVD player, connecting 39

Electronic Program Guide (EPG) 44-49
EURO sockets 40,41
External devices, connecting 39
External devices (playback) 41,42

Fine tuning 16
Font, double size 37
Forced mono 57
Freeze frame 7
Function keys 32

Glossary 55

Headphones 54
Help function 8

Index

Info (information) 8
Initial programme position 50

Language for TV menu 13

Marks in Teletext 37
Marks, index 37
Marks, setting and deleting 37
Menu language 13
Menus, menu control 9
Multiple pages, sub-pages 36

NexTView 44-49
NexTView recording 49
Noise reduction 56

Peripheral devices 39
Picture format 35
Picture-in-picture (PIP) with AV devices 33
Picture quality for video recorder 42
Picture settings 10, 10, 21, 22
Picture sharpness 20, 21
Playback from external devices 41, 42
Programme change for AV devices 41
Programme selection 19

Recording programmes with NexTView (EPG) 49
Reminder 30
Riddle solution key 37
Rotation 20

Scrolling by marks 37
Setting window 9
Signal type (EURO sockets) 40, 41
Sleep timer 30
Sound 1, sound 2 . . . . . .23, 54
Sound effects (see stereo wide or spatial sound)
Sound settings 23, 24
Spatial sound 56
SRS-WOW 23,57
Standard picture settings 20
Standard sound values 23
Standard time 31
Standard values 20, 56
Station logos 17

61

Index

Station search 15
Station search, automatic 14
Stations, deleting 18
Stations, selecting 18
Stations, shifting 18
Stations: shifting, copying and deleting 18
Stereo wide 55
Subtitles 38
Summer time 31
Switching voltage, devices with 41
Switching voltage, devices without 45
Switch-off time 30
Switch-on time 30

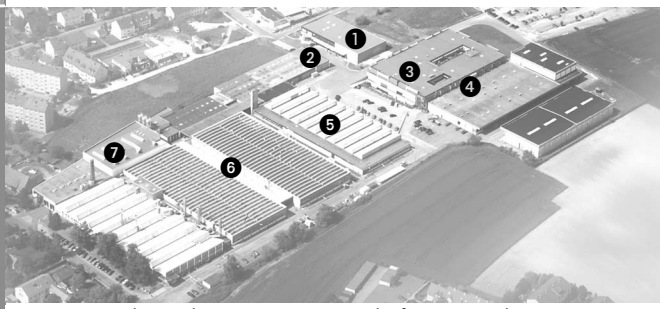
Teletext 36
Teletext, font size 37
Thunderstorm 4
Timer control 31
Transferring recordings between two devices .43
TV menu 9

VCR function 42
Video recorder - programme position, automatic selection 41
Video recorder, connecting 39
Video cassettes, playing back 41, 43
Volume correction 24, 56

Winter time 31

Zoom 35

❶ Service Centre
❷ Training Centre
❸ Administration and development
❹ Storage/Dispatch
❺ Mecablitz production
❻ TV production
❼ Plastics technology



Metz - Werke GmbH & Co. KG - Zirndorf near Nürnberg

Core competence in the areas of electronics and plastics technology to form the basis of the excellent reputation of the Metz Werke that has been built up throughout the world over a period of many decades.

Metz offers quality made in Germany:
Consumer electronics, mecablitz flash units, plastics technology and industrial electronics.

Metz-Werke GmbH & Co. KG
Postfach 1267, D-90506 Zirndorf

Fon: +49 911 - 97060
Fax: +49 911 - 9706340

www.metz.de
info@metz.de

Errors excepted. Subject to changes.
GB Printed in Germany

Metz - allways first class.