

TechniSat

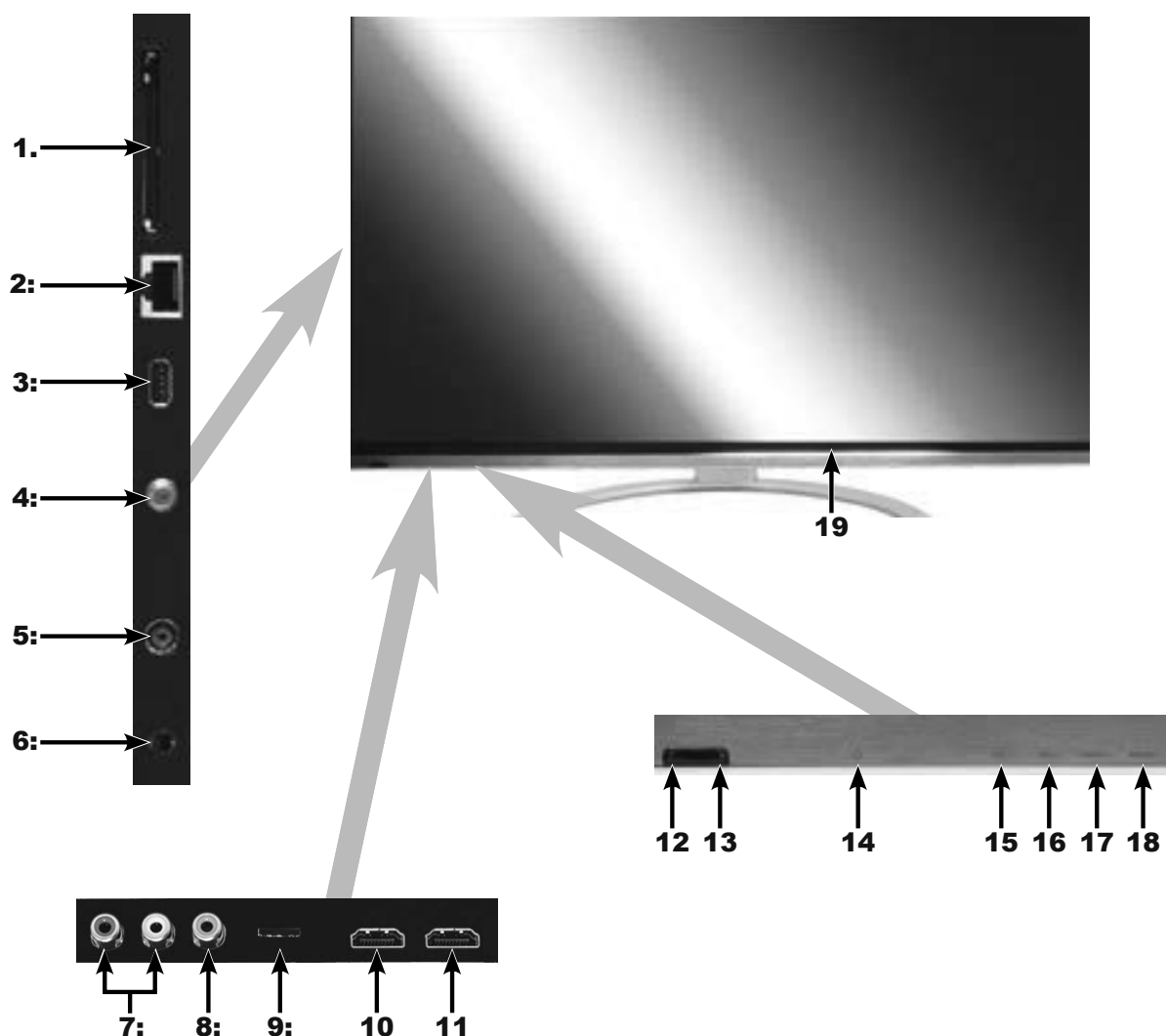
Manual

TechniVision ISIO 42 / 47 / 55



1 Illustrations

TV connections / Local control



Connections

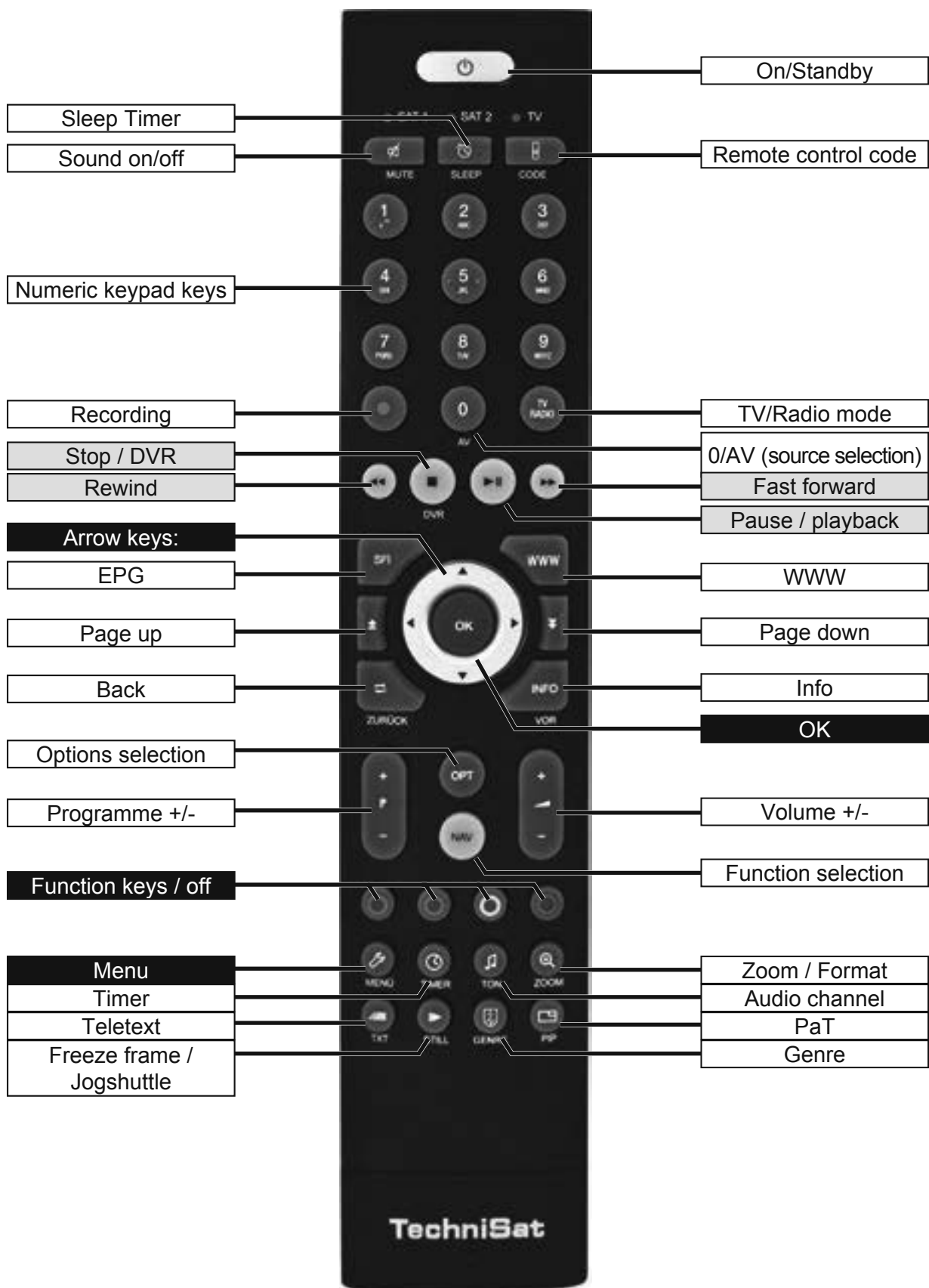
- | | |
|---|--|
| 1 Common Interface | 7 Audio out analogue |
| 2 Network port | 8 Audio output digital (S/P DIF electrical) |
| 3 USB port | 9 Scart connection |
| 4 LNB Input (DVB-S) | 10 HDMI connection 1 (ARC) |
| 5 Antenna input (DVB-C, DVB-T, analogue) | 11 HDMI connection 2 |
| 6 Headphone output (3.5mm jack plug) | |

Display / Operation

- | |
|------------------------------|
| 12 IR receiver |
| 13 LED |
| 14 On/Stand-by |
| 15 Volume - |
| 16 Volume + |
| 17 Programme - |
| 18 Programme + |
| 19 Mains power switch |

* Optionally available TechniPlus ISIO Scart adapter (0000/3602) required.

1 Illustrations



2 Please read this first

Dear customer,

This quick start manual only describes the most important connection options and basic operation steps to enable you to start using the TechniPlus ISIO quickly. It does not in any way replace the full instruction manual for the TV.

There are many additional functions described in the full instruction manual that are not covered in this quick start manual. There is also a great deal of additional information about individual functions and settings in the full instruction manual, which provides a more detailed explanation of the available options and the purpose of the settings and functions.

Please also ensure that you comply with the notes on safety provided under section 3 of the instruction manual on safety, appropriate use, operation, power consumption in standby mode and during operation as well as on transporting and cleaning the television. You will also find information provided in this section about disposal of the packaging and of the television. The manufacturer's declaration is also provided in this section.

2.1 Inserting/changing the batteries in the remote control

- > Open the cover on the battery compartment at the rear of the remote control by pushing it in the direction of the arrow and then lifting it off.
- > Insert the supplied batteries, ensuring that the poles are the right way around (indicator visible in battery compartment), then close the battery compartment again.

2.2 Setting the remote control code

- > Hold down the **remote control code** button to switch over the remote control option and press the **OK** button as often as necessary until the LED for the desired remote control option (**TV**, **SAT1** or **SAT2**) flashes briefly.

2.3 Legal notices

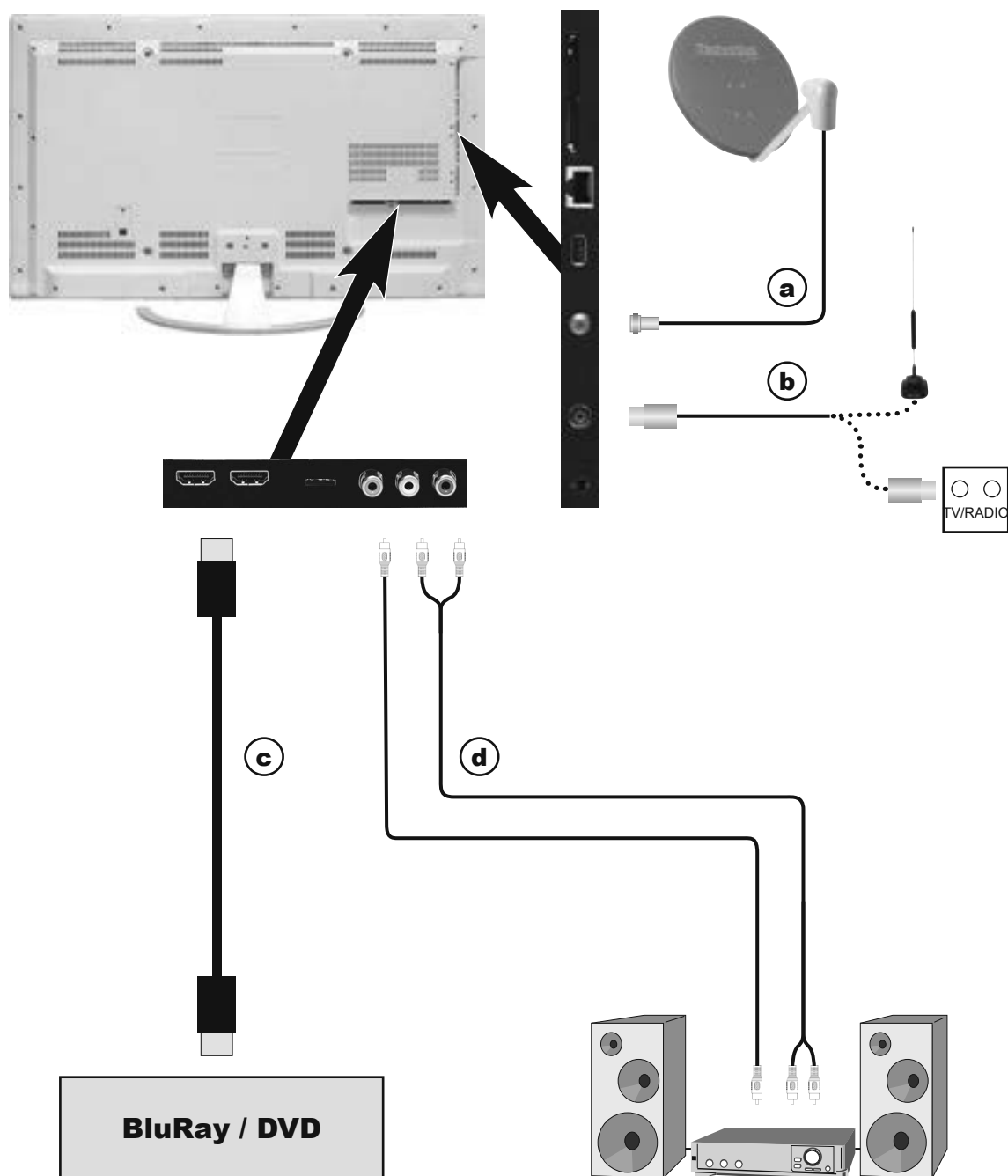
-  Subject to change for amendments and printing errors. Version 05/14 You can find the current version of the manual in the download area of the TechniSat home page.
-  TechniVision ISIO 42, TechniVision ISIO 47, TechniVision ISIO 55 and TechniSat are registered trademarks of TechniSat Digital GmbH, Postfach 560, 54541 Daun, Germany, www.technisat.de.

2.4 Servicing notes

-  **Warning:** if you encounter a problem with this equipment, please contact our Technical Hotline initially. You can reach this on Mon - Fri 8am to 8pm on +49 (0) 3925 9220 1800.
-  If the device needs to be sent to us for any reason, please send it to TechniSat Teledigital AG, Service-Center, Nordstr.
-  The following references (**a b c**) refer to the connection example on page 5.

3 Connection

- a** Connecting the satellite antenna using the **LNB input**.
- b** Connecting the cable connection (digital and/or analogue) or the DVB-T antenna to the **antenna input** on the television.
- c** Connecting the television to a BluRay/DVD player using an **HDMI** cable.
- d** Connecting the analogue or digital **audio output** to hi-fi stereo equipment or surround sound equipment.



3. Satellite antenna

- a** Connect the **LNB input** on the TV to your external unit using a suitable coaxial cable.

 To do this also observe points 8.1 and 10.5 of the instruction manual.

3.2 Antenna/cable connection (analogue and digital)

- b** Connect the antenna input for the LCD TV to either a **terrestrial antenna** or to the **connection socket** for the cable or antenna connection.

 To receive DVB-T signals and DVB-C and analogue cable channels simultaneously, use the TechniSat **DVB C/T switch** (part no. 0000/3263)

3.3 BluRay-/DVD-Player

- c** Connect your BluRay/DVD player using (for example) an HDMI connection cable with an **HDMI connection**.

3.4 Surround sound/Hi-Fi amplifier

You can connect the LCD TV to a surround sound or hi-fi amplifier to obtain the best possible sound quality.

3.4.1 Digital

- d** If your amplifier has an appropriate electrical input (S/P-DIF), connect the **Audio out digital** socket to the input on your amplifier.

 Depending on the broadcaster concerned, the stereo signal (PCM) and, where broadcast, Dolby Digital signal (AC3) are available.

3.4.2 Analogue

- d** To do this, use a suitable cable to connect the cinch connectors for the **analogue audio output** on the television to an input on your amplifier (e.g. CD or AUX. Warning! The phono input is not suitable!).

3.5 Mains power connection

 The television should only be connected to the mains power network (**230V / 50Hz**) once it has been completely connected by cable to the associated components. This will prevent damage to the TV or other components.

4 Basic operation

Dear Customer

The following section starts by covering basic operation as well as recurrent operating steps for the TV. This should make it easier to read the instruction manual, since it avoids repeated description of identical steps at each individual stage.

If it is necessary for a function or setting for the TV to be different from the basic operation, the difference in operation is described in detail in the relevant section in the instruction manual.

The so-called "On Screen Display" is used on your TV. This simplifies operation of the television since the buttons on the remote control can assume different functions. This makes it possible to reduce the number of buttons.

In this **On Screen Display (OSD for short)** the selected functions or settings are highlighted. Furthermore, you will find a line along the lower edge of the screen in which the various buttons on the remote control are shown with their current functions.

In this instruction manual the **terms shown in the OSD** as well as **the buttons to be pressed** are highlighted from the rest of the text by the display format used.

 Warning - indicates an important note which you absolutely should observe in order to avoid problems with the television, loss of data or unwanted operation.

 Tip - indicates a note about the function being described, as well as other associated functions that may need to be observed with reference to the respective place in the instruction manual.

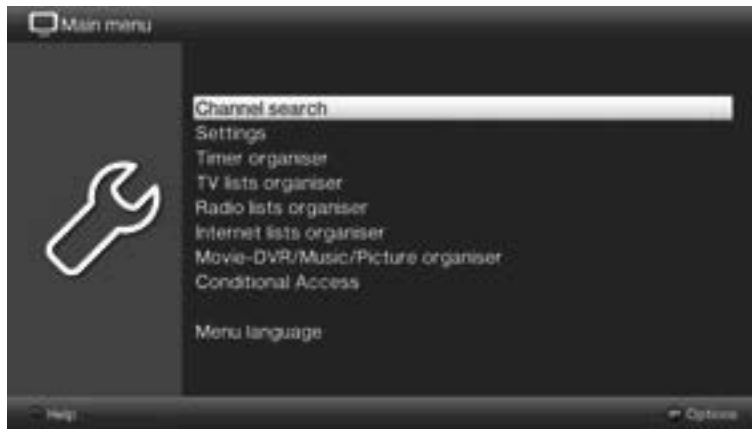
4.1 Switching the television on/off

- > When the television is on standby, you can switch it on by pressing the **On/Standby** button on the remote control/device.
 - > When operating normally you can switch the device to standby mode by pressing the **On/Standby** button.
-  When switching the TV on/off, also observe section 7.1 in the instruction manual as well as the instructions given under this point.

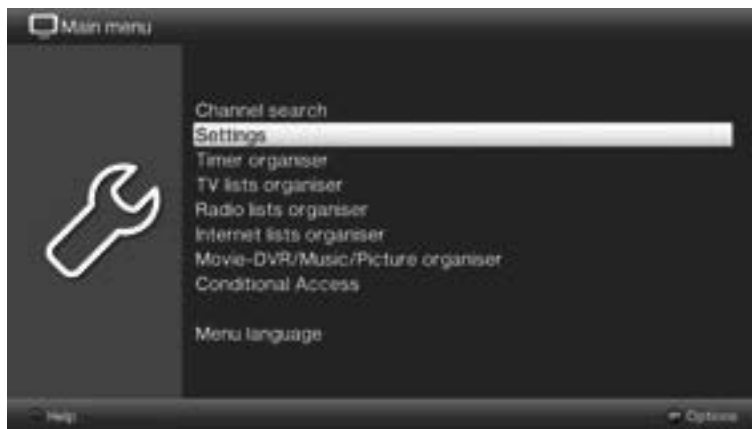
4.2 Calling up the main menu and navigating through the menus / functions

The following example will illustrate how you reach the main menu and call up a submenu. The objective of the example is to call up the **Picture settings** menu.

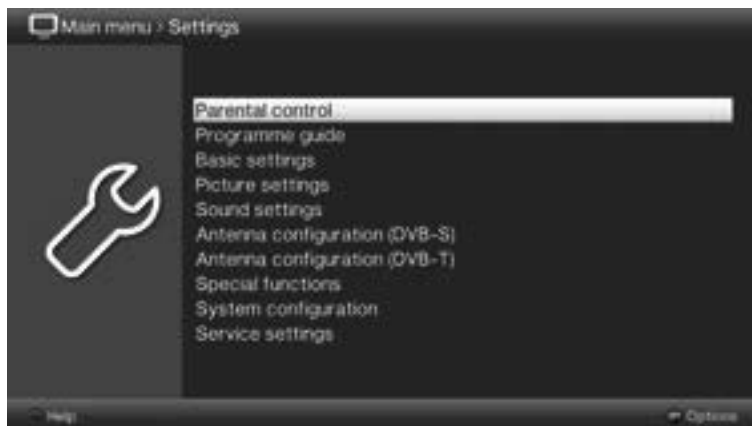
- > Press the **Menu** button. The main menu appears on the screen.



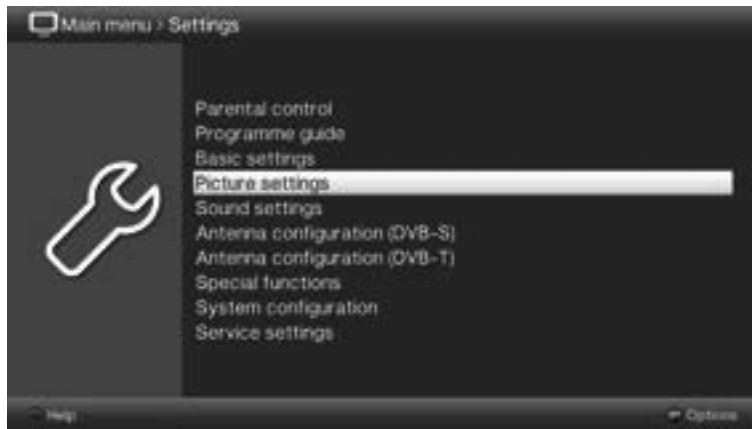
- > Select the **Settings** menu item by moving the highlight over this item using the **arrow** keys.



- > Press the **OK** button to open the **Settings** menu.



-
- > Use the **up/down arrow keys** to highlight the **Picture settings** item.



- > The **Picture settings** menu is opened by then pressing the **OK** button.



-  You can also highlight the individual menu items in the same way as you highlight an item on a submenu to open it and alter the respective settings.
-  The menu items in some menus have to be highlighted by moving sideways. This is done by pressing the **right/left arrow keys**.
-  By pressing on the **up/down arrow keys** it is possible to move the highlighting from line to line and to move upwards and downwards sideways using the **page up/down** buttons.
-  You will see the so-called menu path in the uppermost line of the menu. This shows you the menu you are currently in and the path you took to reach this menu. In the example shown this is **Main menu > Settings > Picture settings**. The menu path is also shown throughout the instruction manual and shows you how you can reach the respective menu with the settings described.
-  If the **blue** function key with **Help** is displayed in the bottom line on the screen, a Help page can be displayed by pressing this button and hidden by pressing it again.

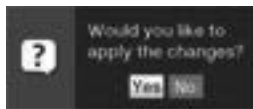
4.3 Accepting settings / Exiting menus and functions

In some menus and functions the changes made must be accepted manually in order to save them permanently. If this does not happen, the function or the values that existed before the change was made will be reset automatically on exiting the menu.

-  If an **Accept** field or the **green** function key with **Accept** is displayed in the bottom line of the screen, you can see that the changes made must be saved manually to be accepted.
- > By highlighting **Accept** using the **right/left arrow keys** and confirming with the **OK** button or by pressing on the **green** function key (**Accept**), the changes are saved and you return to the next menu level up.

Alternatively:

- > Press the **Return** button.
A request appears asking whether the changes you made should be applied.



- > Use the **right/left arrow keys** to highlight **Yes** or **No** and confirm your selection by pressing the **OK** button.
Changes will now be saved or discarded according to your selection and you move back to the next menu level up.

Alternatively:

- > Press the **Menu** button to directly leave the menu.
The settings which need to be saved manually will be reset in this case.

-  If the **green** function key with **Accept** is not displayed in the bottom line of the screen, the changes are saved automatically on exiting the menu.

4.4 Changing a setting

You can create settings using the **arrow selection** method, the **selection list**, by **entering numbers** and by using the **virtual keyboard**. The television specifies the method that can be used to change a highlighted setting. You can see this from the following displayed symbols:

-  **Arrow selection method** (section 4.4.1)
Arrows are shown on the left or right edge of the highlight.
-  **Selection list** (section 4.4.2)
The symbol is shown on the right edge of the highlight.
-  **Entering numbers** (section 4.4.3)
-  **Virtual keyboard** (section 4.4.4)
The symbol is shown on the right edge of the highlight.

4.4.1 Arrow selection method

- > If ◀ is shown on the left and ▶ on the right next to the set value, you can alter this using the **left/right arrow keys**.

4.4.2 Selection list

If 🛠 is shown on the right next to the set value, the value can be changed using the selection list.



- > Press the **OK** button to open the selection list.



- > Highlight the setting you want using the **up/down arrow keys**.



By pressing the **up/down arrow keys** it is possible to move the highlight from line to line and to move upwards and downwards page by page using the **page up/down** buttons.

- > Confirm by pressing on the **OK** button. The selection list is closed again and the selected setting is shown in the menu.



4.4.3 Entering numbers

Enter the new setting with the aid of the **numeric keypad key** if a question mark  or a number value  or  is shown inside the marking.

Note the number of digits used in the entry as there must always be the same number used. This means that if a five-digit value is required, for example "10600", but you only wish to set a four-digit value, for example "9750", then you must enter a "0" at the beginning for every unused position. Therefore, in this example, it would be necessary to enter "09750".

4.4.4 Virtual keyboard

If  is shown on the right next to the set value, the value is amended using the virtual keyboard. You have three different keyboard options when using this data entry method. You can switch the keyboard layout between the so-called QWERTY keyboard and the alphabetic keyboard; an SMS keyboard can also be used at any time. The functionality of the QWERTY keyboard is identical to that of the alphabetic keyboard. They only differ in the arrangement of the various letters, numbers, characters and symbols.

- > Press on the **OK** button to open the virtual keyboard.
The keyboard now appears in the alphabetic form.



- > You can switch to the QWERTY keyboard and back to the alphabetic keyboard by pressing the **Option** button.



You can now enter the term you want as follows.

- | | |
|--|---|
| Arrow keys: | Moves the highlight on the keys of the virtual keyboard. |
| OK: | The highlighted character is added to the end of the term, or the highlighted function is executed. |
|  / Yellow function key: | The keyboard switches between upper case/lower case. |
|  / Red function key: | Pressing/holding down deletes the character in front of the orange highlight/the whole entry. |
|  / Green function key: | The entered term is accepted. |
|  / Blue function key: | The keyboard switches to the alternative characters. |
|  : | Moves the orange highlight within the term. |

The SMS keyboard is operated using the **numeric pad** on both the alphabetic and the QWERTY keyboard, and can be used at any time. The coloured buttons thus incorporate the functions described above.

- > Press one of the **numeric pad keys 0 - 9** and select the various letters, numbers, characters and symbols.
The first letter of the respective row of characters is highlighted after first pressing a **numeric pad key**.
- > The highlight then moves one field to the right for every additional press of the same **numeric pad key**.
Press as often as necessary to reach the desired character. This will be added to the entered term after a short delay.

The various numeric pad keys are assigned to the following displayed letters, numbers, characters and symbols.

0:	
1:	
2:	
3:	
4:	
5:	
6:	
7:	
8:	
9:	

-  Once you have reached the field you want with the highlight, you can then begin selecting the next character immediately since, in this case, the character is directly added to the term.
-  If you wish to continue directly selecting a character from the same **numeric pad key**, you can add the previously highlighted character to the term by pressing the **right arrow key**.
-  If you are using a USB or wireless keyboard, for example the TechniSat ISIOControl keyboard (part no. 0001/3850) or ISIOControl Keyboard II (part no. 0002/3850), you can also use this keyboard to enter all the input using this keyboard. The TechniSat ISIOControl keyboard is specially designed for the TV and also enables control of a wide range of other operations.

4.5 Options selection

In some menus and operating modes (e.g. TV mode, music/images playback etc.), you have the option of calling up additional functions and options via the options selection function.

- > Pressing the Option button **opens** the option selection in the lower right-hand corner of the screen.

In this example we can see the option selection for the channel list.



- > Every additional press of the **Options** button moves the highlight down one line each time.



Some options are selected directly in this window. Other options for a number of subordinate selection options are located in the options groups. Highlighting one of these option groups automatically opens a further window on the left.



- > You can use the **up/down arrow keys** within the options group to highlight one of the options listed in there.
-  By pressing the **up/down arrow keys** it is possible to move the highlight from line to line and to move upwards and downwards page by page using the **page up/down** buttons.
- > The highlighted option is selected by pressing the **OK button and you exit the options selection area.**
- > If you do not want to select an option or wish to leave the options selection area without making any changes, simply press the **Options** button until it is hidden.

5 Initial installation

On initial installation of the TV, the “**AutoInstall**” wizard starts automatically. Using the installation wizard is the simplest way for you to create the most important settings for your TV.

The initial installation process shown here serves merely as an example. The exact process for the initial installation will depend on the settings you select. Therefore please follow all instructions displayed on screen carefully.

Menu language

The installation wizard starts when you select the **menu language**.



> Use the **up/down arrow keys** to highlight the menu language you want and confirm by pressing the **OK** button.

 The preferred audio language will be set automatically according to this selection.

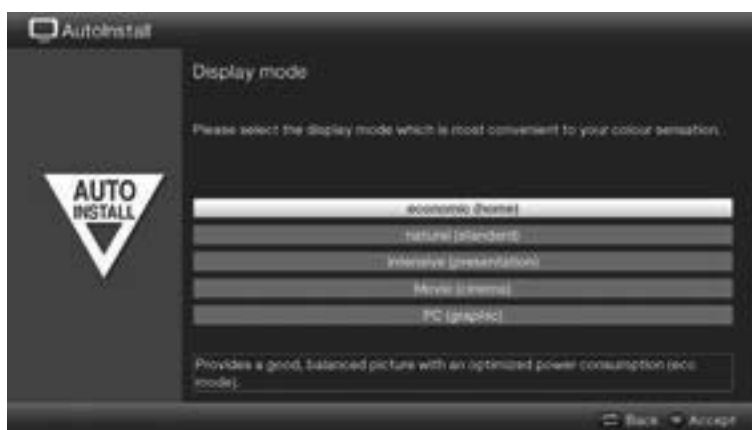
Country selection



> Using the **up/down arrow keys** select the country in which the television will be operated and confirm by pressing the **OK** button.

 Automatic setting of the local time as well as changing to summer/winter time will take place based on your selection. Channels will also be automatically sorted in the installation wizard according to this setting as well as following a channel search.

Display mode



- > Use the **up/down arrow keys** to select your preferred display mode and confirm by pressing the **OK** button.

 The values for the selected display mode can be adjusted as you want after the AutoInstall, as described in section 10.1 in the instruction manual.

 When selecting the **natural** and **intensive** display modes, note the message(s) that appear as well as sections 3.3.3, 7.9 and 10.1 in the instruction manual and confirm by pressing the **OK** button.

Selecting reception signals

- > Use the **up/down arrow keys** to select the reception signal whose availability you want to switch **on** or **off**:

DVB-S for digital satellite channels;

DVB-C for digital cable channels;

DVB-T for digital terrestrial channels;

Analog CT for analogue terrestrial and cable channels.



- > Press the **OK** button to open the selection window, highlight the setting you want with the **up/down arrow keys** and close the window by pressing the **OK** button again.
- > To get to the next step of the installation, use the **arrow keys** to highlight the **Accept** field and confirm with the **OK** button.

Antenna configuration (DVB-S)

In this step of the installation you can adjust your TV setup to the configuration of your satellite antenna.

 “**Antenna configuration (DVB-T)**” appears immediately if DVB-S has been disabled.



- > Press the **OK** button to accept the default antenna setting and continue with the “**Antenna configuration (DVB-T)**” section.
- > If the configuration of your reception equipment does not match the default setting, you can open the antenna configuration by pressing the **Option** button and adjust the setting on your reception equipment according to section 10.5 in the instruction manual.

Antenna settings (DVB-T)

A channel spectrum with the signal levels of the various channels is displayed in this step in order to be able to align the DVB-T antenna for the best reception.

 The “**channel search / ISIPRO**” appears immediately if DVB-T has been disabled.



- > Use the **up/down arrow keys** to highlight the **Antenna supply** field and confirm by pressing the **OK** button.
- > Switch the antenna feed **on** or **off** by using the **up/down arrow keys** to highlight to relevant input and confirm with **OK**.
- > To get to the next step of the installation, use the **arrow keys** to highlight the **Accept** field and confirm with the **OK** button.

Network configuration



- > If you do not want to run the network configuration check, press the **Info** button.
- > If you want to change the network settings, press the **Option** button and proceed as described in sections 10.4.2 and 10.4.3 of the instruction manual, then confirm with the **green** function key to accept the settings.
- > After the network check has been successfully completed, press the **OK** button to move on to the next step.

Channel search / ISIPRO^{nur DVB-S}



- > To download the available current channel list, use the up/down arrow keys to highlight the ISIPRO - service list update line and start the process by pressing the OK button **OK**.
-  After the service list update, an automatic channel search on all other configured reception sources is then carried out via "**All Channels**".
- > If you want to run a channel search via satellite as well, or if the DVB-S reception signal has not been configured, use the up/down arrow keys to highlight the All channels or All unencrypted channels field, then start the channel search process by pressing the OK button.
-  **All Channels** searches for free-to-air and encrypted channels, and **All unencrypted channels** for just free-to-air channels.

Regional channels

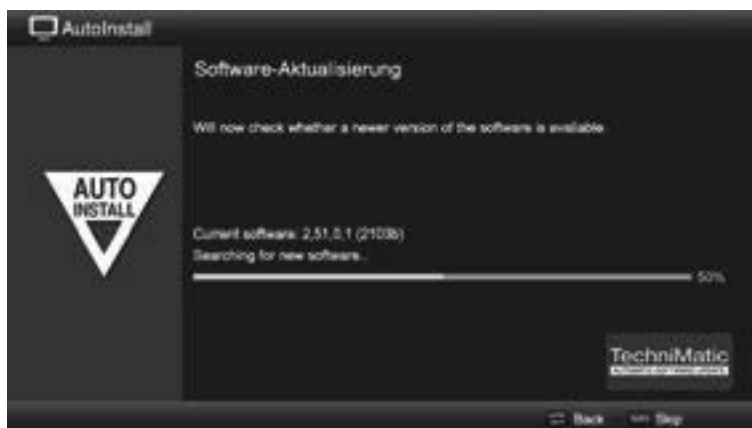
Some broadcasters transmit channels with varying regional content. On this page you can define your preferences for these regional channels.



- > Using the **arrow keys** highlight the channel provider for the preferred regional channel you wish to set up and select this using the **selection list**.

 If you subsequently select another regional channel for a channel provider as per section 7.2.4, this will be saved in the same way for this channel provider.

Software updates



- > If you do not want to wait for a search for new software or a software download, you can, if necessary, skip this step by pressing the **Info** button.
- > If there is no new TV software available, you can press the **OK** button to go to the next step in the installation wizard.
- > If, on the other hand, new TV software is found, the automatic software update can be started by pressing the **OK** button.

 While doing this also note sections 15.5 and 18 in the instruction manual.

ISIO Internet list updates

The TV now checks whether there is a new list of website links available.



- > If you do not want to wait for a search for new software or a software download, you can, if necessary, skip this step by pressing the **Info** button.

Loading EPG data

Your TV has the EPG (**E**lectronic **P**rogramme **G**uide). To enable the data for the electronic programme guide to be displayed, it must first be downloaded.

To do this, your TV automatically starts downloading the EPG data as soon as any software updating has been completed. This process can take up to 30 minutes.



- > If you do not want to wait for the EPG data to be downloaded, you can skip this process by pressing the **Info** button.



If the EPG update has been skipped, your TV will download the EPG data automatically at the point in time set under section 10.7.2 in the instruction manual, as long as the function (section 10.7.1 in the instruction manual) remains activated and the TV is also in standby mode at that moment. Additionally you can run the update manually at any time (section 10.7.6 in the instruction manual).

Product registration

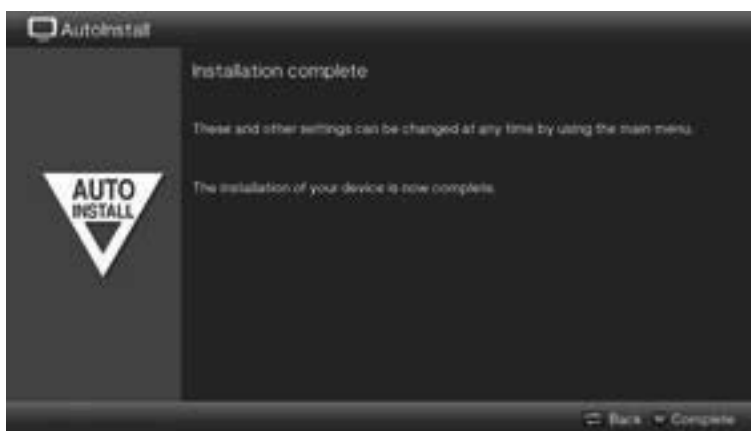
By registering your product with TechniSat, you will receive an additional three years of warranty claim from the date of purchase, as well as the two-year warranty claim under law. Your legal rights are not affected by this.



 (Please note that an Internet connection is required for this.)

Exiting the installation wizard

- > Confirm the final message from the installation wizard by pressing the **OK** button.



6 Operating the unit

6.1 Switching the TV on and off

6.1.1 Switching on using the mains power switch on the television

- > Switch on the television by pressing in the mains **power switch**.

 The TV now performs an initialisation and cannot be operated during this time. This process takes several seconds to complete.

6.1.2 Switching on from standby mode

- > Switch the TV on by pressing the **On/Stand-by** button on the remote control or on the TV, or the **Channel +/-** keys on the remote control or on the TV, or a numeric key between **0** and **9** on the remote control.

 If the user-dependent parental control (TechniFamily) is activated under section 10.8 of the instruction manual, the user selection now appears according to section 7.1.3 of the instruction manual.

6.1.3 Switching off to standby mode

- > Switch the TV off by pressing the **On/Stand-by** button.

 When switching off the TV, please note that it checks whether a new operating software version or channel list is available. This process takes several seconds to complete. The LCD panel is already switched off during the test.

 The device switches completely into standby mode after completion of the test. The TV is now in standby mode and can be completely switched off using the mains power switch.

6.1.4 Switching off using the mains power switch on the television

- > The television is switched off completely by pressing the mains **power switch**.

 The device notes the last switching status ("On" or "Off") entered using the remote control or the television buttons.

 If a power failure occurs during operation, you should switch off the television using the mains power switch so that it is not switched on again unintentionally as soon as the power is available again.

 You should only switch the television off from standby mode using the mains power switch, to prevent damage to the database.

6.2 Channel selection

6.2.1 Using the channel up/down buttons

- > You can switch between channels one at a time using the **Channel +/-** buttons on the remote control or on the TV.

6.2.2 Using the numeric pad keys

- > Use the numeric keypad keys to enter the number of the channel you want.

For example:

1	for channel slot 1
1 , then 4	for channel slot 14
2 , then 3 , then 4	for channel slot 234
1 , then 2 , then 4 , then 5	for channel slot 1245

 When entering channel numbers with multiple digits, you have approx. three seconds after pressing a key to complete the entry.

 If you wish to enter a one, two or three-digit number, you can accelerate the switching process by holding down the last digit for longer, or by pressing the **OK** button.

6.2.3 Using the TV list

- > Press the **OK** key.
The TV channel list appears in television mode and the radio channel list in radio mode.
The channel currently selected is highlighted.



- > You can view additional data about the current programme by pressing the **INFO** button.

6.2.3.1 Selecting the channel

- > You can now highlight the channel you want using the **up/down arrow keys**, the **page up/down keys** and the **numeric keypad keys**.
- > Exit the Navigator by the pressing the **OK** button; the highlighted channel is displayed on the screen.

6.2.3.2 Selecting a list

To make it easier for you to find channels, your device provides various channel lists. You can select your **favourites lists** or display the channels sorted alphabetically from the **list of all channels**, the **TV provider lists** or according to **genre**.

- > Press the OK button to open the active channel list.
- > You can now use **option selection** to select the channel list you want (**favourites list**, **total list**, **TV broadcaster lists** and **genre lists**).



- > Highlight the channel you want to watch as described under section 6.2.3.1 and confirm by pressing the **OK** button.

6.2.4 Selecting a regional channel

During the initial installation you selected your preferred regional channels. If you now pick one of these regional channels, a note appears stating that further regional channels are available for selection.



- > Using the **Options selection** you can select between the various regional channels under the **Region** item.

 The selected regional channel is now stored as a preferred regional channel from this programme provider.

6.2.5 Switching between TV/radio

- > You can use the **TV/Radio** button to switch between TV and radio mode.

 The television switches to the last radio channel listened to.

 Alternatively you can also switch between TV and radio mode as described under section 6.18.

 To do this also note the setting for OSD Radio/Music in section 10.4.1.3 in the instruction manual.

6.3 AV source

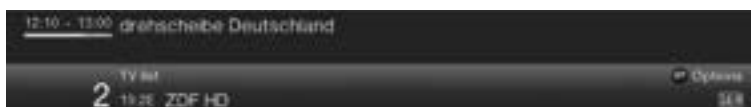
- > Press the **AV** button to open the **AV sources** selection window and select a device connected to the HDMI inputs (**HDMI 1 /2**) or to the SCART socket (**EuroAV**) on the TV.
- > Select the source you want using the **up/down arrow keys** and confirm by pressing the **OK** button to switch over to the selected input.

To do this also observe sections 7.2.1 - 7.2.3, 7.2.6, 10.8 and 12 of the instruction manual.

6.4 Channel/source information

6.4.1 Info box

An Infobox appears on the screen for the set period (section 10.4.1.2 in the instruction manual) every time you change channels.



The channel slot and name as well as the source of the channel selected, the channel list in which the channel is located and the title of the current programme with the start/end time and the progress bar, as well as further channel information (e.g. for teletext, for 16:9 broadcasts, for subtitles, for encrypted channels or for Dolby Digital broadcasts).

The progress bars are coloured yellow according to the amount of transmission time already expired for the current programme. If the beginning of the progress bar is coloured red the transmission started too early, and if the end of the progress bar is coloured red the current programme has overrun.

The current time is shown in the right-hand upper corner of the screen.

6.4.2 Displaying the clock and channel information

This function allows you to see channel information about the channel being watched.

- > Pressing the **Info** button allows the information mentioned in section 7.4.1 to be displayed again for the period set under section 10.4.1.2.

6.5 Receiving encrypted channels

- > Insert a CI-/CI+- module with the upper side pointing to the rear in the slot.
 - > Insert the smartcard into the CI / CI+ module card slot.
-  To do this also note section 7.5 in the instruction manual.

6.5.1 Smartcard PIN code

With encrypted channels, channels that are not suitable for children can be pre-blocked by means of a parental control code/symbol. To unblock the specific channel it is necessary to enter the smartcard PIN code stored on the smartcard.

- > To release the channel, use the **numeric keypad** to enter the 4-digit **SmartcardPIN code ein**.

6.6 Volume control

After switching on the television sound is produced according to the power-on volume set using the **sound settings** menu (section 10.2.1 in the instruction manual).

- > To adjust the volume of your TV, press **Volume +** to increase the volume, and **Volume -** to decrease it.

6.6.1 Using mute

- > To switch the sound off (mute), press the key **Sound on/off** press the key again to switch the sound on again.

6.6.2 Headphone volume

- > While the sound is muted it is possible to operate the **Volume +** and **Volume -** rocker keys to adjust the headphones volume.

6.7 Selecting a different language / Sound option

For some channels you have the option of selecting a different sound option (Dolby Digital, Stereo or Audio Channel 1 or Audio Channel 2) or another language.

- > Using the **Options selection** feature you can select the language/sound option you want via the **Sound** option.

 In doing so also observe section 7.7 in the instruction manual.

6.8 Sound mode

You have the option of using sound mode selection while operating to switch between the preset sound modes - **neutral**, **film**, **music** and **language** - as well as the fully configurable, **user-defined** sound mode.

- > You can select the sound you want using the the sound mode item in the **Options selection**.

 The sound mode **which is user-defined** can be adjusted as described under section 10.2 of the instruction manual.

6.9 Display mode

You can use the display mode selection option to switch between the preset display modes during actual operation: **economical (home use)**, **natural (default)**, **intensive (presentations)**, **film (cinema)** and **PC (graphics)**.

- > You can select the sound you want using the the **sound mode** item in the **Options selection**.

 You can set the display modes to your wishes, as described under section 10.1 in the instruction manual.

6.10 Subtitles

When switching to a programme being broadcast with subtitles, the subtitles symbol  appears in the Info box.

- > Using the **Subtitles** menu item in the Options selection, you can select subtitles when you want to display them.

 When doing so please note section 7.10 in the instruction manual.

6.11 Teletext

Your TV can display teletext information on channels that broadcast teletext data. This is displayed by the  symbol in the Info box.

6.11.1 Switching teletext on/off

- > Press the **Teletext** button to switch on teletext for the currently selected channel along with its overview page.



- > You can exit Teletext by pressing the **Back** button.

 In doing so also observe section 7.11 in the instruction manual.

6.11.2 Page selection

- > Use the **numeric keypad keys 0 to 9** to enter the 3-digit page number of the teletext page you want.
- > Use the **coloured** function keys to call up the pages displayed in the respective fields.

6.12 Format switchover / Zoom

- > Pressing the **Zoom/Format button** allows you to select the various pre-defined formats (**original**, **optimum**, **optimum 16:9**, **full zoom** and **stretch**) as well as the **user-defined** setting, where you can adjust the picture as you wish, aufrufen.

 The following options are available to adjust the picture according to your personal preference:

Red function key	Increase picture height
Green function key	Reduce picture height
Yellow function key	Increase picture width
Blue function key	Reduce picture width
Arrow key up/down	Move the picture upwards (only where picture height has been increased)
Down arrow key	Move the picture downwards (only where picture height has been increased)
OK button	Select zoom levels
Left arrow key	Reset user-defined format setting

6.13 Freeze frame

- > The television picture is displayed as freeze frame by pressing the **Freeze frame** button.
- > Freeze frame is ended by pressing this button again; normal playback appears on the television screen again.

 The sound will continue to be reproduced normally during freeze frame.

6.14 Sleep timer

You can set the switch-off time of your TV using the sleep timer.

- > You can set the sleep timer by pressing the **sleep timer** button a number of times (15 minutes to 120 minutes) or to switch it off.



6.15 Electronic Programme Guide (EPG)

Your TV has EPG electronic programme information.. You can use this to display programme information for one or multiple digital channels on the screen and to obtain a very quick overview of the current programmes, or programmes being broadcast that day, or on following days.

 To do this also observe sections 7.15 and 10.7 in the instruction manual.

> Press the **SFI** button to call up the electronic programme guide.

 The electronic programme guide is displayed, using the start category selected in section 10.7.5 in the instruction manual. The **Overview** start category is selected in the factory settings.



- 1** Viewing time > indicates when programmes are to be shown.
Time line > a graphical display of the viewing time in the form of progress bars.
- 2** Channel name with the corresponding channel slot within the active favourites list.
- 3** Progress bars or the start/stop time of the displayed programme.
- 4** The current date and the current time.
- 5** Shows that there is further information available about the broadcast.
- 6** Broadcasts of the displayed programme.

> You can access the various EPG views and functions using the **option selection** as well as via the assigned **function key** located at the lower edge of the screen.

> You can switch the display time back and forth or move the highlight using the the **right/left arrow** keys, the **up/down arrow** keys and the **page up/down** button.

> You can leave the electronic programme guide again by pressing the **SFI** button .

6.16 Function selection

- > You can open the Navigation menu (**NAV menu**) to select the function you want by pressing the **function selection** button.



-  To do this also observe sections 7.16 and 10.8 in the instruction manual.

6.17 HbbTV

- > Switch to a channel that is broadcasting HbbTV data.
- > Launch the HbbTV application by pressing the **red** function key.
-  Display and use of the HbbTV application is determined by the data received. Generally it is operated as described below.
- > In the HbbTV application you can use the **arrow keys** or the keys displayed there to move the highlight.
- > You can use the **OK** button to confirm the highlighted item and call this up, as long as the highlighted item has additional subitems.
- > You can exit the HbbTV application by pressing the **Back** button or by pressing the colour button displayed in the application itself.
-  When using this please be sure to note the messages and displays on the screen, as well as sections 7.12, 10.4.4.8 and 10.4.2 or 10.4.3 of the instruction manual.

6.18 Internet

Your device can use an existing broadband connection to access the Internet. To do this the TV must be connected to the home network/DSL router via either LAN or WLAN.

Internet access provides you with various Internet functions such as unrestricted browsing, use of interactive services, video on demand and the new **ISIO Live** TechniSat service portal.

-  When using this please be sure to note the messages and displays on the screen, as well as sections 7.22, 10.4.4 and 10.4.2 or 10.4.3 of the instruction manual.
-  A pre-programmed Internet list makes it easier to call up a few websites of interest to you. This list can be expanded and amended how you want.
-  To ensure trouble-free display of moving pictures, a minimum bandwidth of 3Mbit/s must be available. If the bandwidth is less, this can cause interruptions (jerky or static images). This is not the result of a TV malfunction.

6.18.1 Using the Internet list to call up websites

- > From normal mode press the **WWW** button **twice** or, if a website is open, press the **WWW** button **once**.
-  The Internet List Navigator now appears. The last web link accessed is highlighted and loaded in the background.



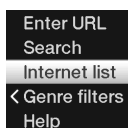
6.18.1.1 Selecting a link

- > You can now highlight the web link you wish using the **up/down arrow keys**, the **Seite up/down** keys and the **numeric keypad keys**.
- > Press the **OK** button to open the highlighted web link.
-  The time it takes for the selected page to be displayed depends on the page selected and the bandwidth of your DSL connection.

6.18.1.2 Selecting a list

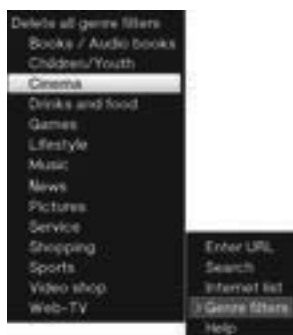
Your TV provides various Internet lists to make it easier for you to find web links. You can select and display all your configured favourites lists as per section 13.

- > Use the Internet lists item in the **Options selection** to select the **Internet list** you want.



6.18.1.3 Filtering by genre

- > Use the **Options selection** feature to call up the **Genre filters** item and use the **up/down arrow keys** to highlight the genre by which you want to filter the list.



- > Pressing the **OK** button filters the list according to the selected genre.



-  Multiple genre filters can be used at the same time. A filter that is already set up is indicated by a checkmark on the left hand side.
-  To delete a genre filter that has already been activated, proceed as when activating the filter and highlight the filter to be removed.

6.18.2 Calling up web pages by entering a URL.

In addition to the option of selecting web links, you can call up the websites you want by manually entering the address/URL (**U**niform **R**esource **L**ocator) using the virtual keyboard.

- > From normal mode press the **WWW** button **three** times or, if a website is open, press the **WWW** button **twice**.

- or
- > In the **Options selection**, select the **Enter URL** item under the **Navigation** option.

6.18.3 Navigating in the opened website

- > After the website you want has been loaded and displayed, either a colour-highlighted area/term/text or a mouse cursor appears somewhere on the screen.
- > You can use the **arrow keys** to move the highlight/frame, or the cursor, to the areas provided (e.g. a forwarding link, a button, dropdown list etc).
- > The associated action is accepted by pressing the **OK** button.
- > By pressing the **Back** button you can page backwards through previous pages, and by pressing the **Info** button you can page forwards to subsequent pages.

 If, for example, you are using the TechniSat ISIOControl keyboard (part no. 0001/3850) or ISIOControl Keyboard II (part no. 0002/3850) and mouse navigation has been enabled under section 10.4.4.6 of the instruction manual, you can also use the so-called trackball on the keyboard to control the cursor on the screen, designed to make Internet use considerably more convenient.

6.18.4 Using tabs

To make it faster and easier to switch between websites you have visited during a single session, you can create up to three different tabs.

-  The tabs are closed when that particular session ends.
- > To open a new tab, go to the **Options selection** and select the **[new tab]** item under the **Tabs** option.
 - > To jump to an existing tab, highlight it in the **options selection** under the **Tabs** option and confirm with **OK**.

6.18.5 Updating page content

- > To do this, select the **Update** item in the **options selection** to reload the web page currently being displayed.

6.18.6 Cancelling the load process

- > To cancel or interrupt the loading of a web page, use the **Options selection** to select the **Cancel** item.

6.18.7 Adding a favourite to the Internet list

Frequently used websites can be added to the Internet list to make it easier to access them later.

- > First use the **URL entry** to call up the website you want to add to the Internet list as a favourite.
- > Then in the **Options selection** select the **Add to favourites** item.

 The link to the website you have called up is added to the end of the Internet list and (as described in section 13) can be moved to any position in the list, moved to other favourites lists and renamed.

6.18.8 Search engine

- > By using the **Options selection** to call up the **Search** item, the search engine web page selected in section 10.4.4.7 of the instruction manual is automatically called up.

6.18.9 Status

- > Under the **Status** option in the **Options selection**, select the **general** status or the **security status** item to display various technical details concerning the active website.

6.181.10 Ending Internet use

- > To switch from a web page you have called up back to normal mode, press the WWW button three times or press the **TV/Radio** button **WWW**.

7 Operating the DVR

The DVR function (**DVR=Digital Video Recorder**) means you no longer have to use an external recorder (e.g. video or DVD recorder) to record programmes, as you can use this function to record them to a USB storage device.

 DVR recordings of channels from DVB-S, DVB-C and DVB-T sources can be made.

 To do this make absolutely sure you observe the notes and settings under sections 8 and 9 of the instruction manual.

7.1 DVR recording

The following recording modes are available for DVR recording:

1. Instant recording

Select this type of recording to immediately record the programme currently being broadcast at the push of a button.

2. Timer-controlled recording

This function is used to ensure that your television is switched on and off again for the selected broadcast to make a recording, for example when you are out. You can do this by programming the timer either manually or automatically, using the EPG.

3. Timeshift recording

Timeshift recording enables time-shifted TV viewing. You can start to play back a programme while it is still recording (= timeshifting).

7.1.1 Instant recording

- > Switch on the programme/source you want to record.
- > Press the **Record** button to record the current programme.
- > Press the **Pause / playback** button to play back the current programme from a particular point.
- > To continue playing back the programme from this point, press the **Play / Pause** button again.

7.1.2 Timeshift recording

- > If you are watching a programme and are interrupted by a telephone call, for example, you can press the **Pause / playback** button to pause the programme and to start recording it at the same time.
- > To continue playing back the programme from this point, press the **Play / Pause** button again.
You are now watching the programme with a time delay to the live broadcast (**Timeshift**), while the programme continues to be recorded in the background.

7.1.3 Ending manual recording

- > Pressing the **Stop** button generates a query as to whether the recording should be saved or discarded.



- > Select **Save** to save the recording, or **Discard** not to save the recording, or **Back** to continue with the recording.

7.1.4 Ending recording automatically

- > Pressing the **record** button causes a window to open containing all available functions.



- > You can, for example, select **+1 hour** so the TV will continue to record the channel for this period and then automatically stop recording.

7.1.5 Timer recordings

This function is used to ensure that your television is switched on and off again for the selected broadcast to make a recording, for example when you are out. To do this you can programme the timer, either manually or automatically, with the aid of the EPG function (see sections 7.15.6 and 7.16 in the instruction manual).

7.2 DVR playback

You can gain access to your DVR recording using the DVR Navigator.

7.2.1 Calling up the DVR Navigator

The DVR Navigator can be called up in the following ways. Depending on whether you are in TV or radio mode, a list appears with all the TV or radio recordings available on the attached storage medium.



-  In doing so also be absolutely sure to observe section 10.8 in the instruction manual.
-  The broadcast information can be faded in and out through repeated pressing of the **Info** button.

7.2.1.1 When in TV mode

- > In TV mode press the **Stop / DVR** button to switch directly to the DVR Navigator.
- or
- > Open the channel lists navigator by pressing the **OK** button and switch to the DVR Navigator by pressing the **Stop/DVR** button.
- or
- > In the **function selection** select the **Films / DVR** item.
- > Now call up the **My Recordings** folder.

7.2.1.2 From playback of a running / existing DVR recording

- > Press the **OK** button to open the DVR Navigator.
- or
- > In the **function selection** select the **Films / DVR** item.
- > Now call up the **My Recordings** folder.

7.2.2 Pausing / freeze frame

- > To pause playback of a recording (freeze frame), press the **Pause / Play** button during playback.
- > Press the **Pause / Play** button again to resume playback from the same location.

7.2.3 Fast forward/Rewind

Your DVR has fast forward and rewind functions so you can get to a specific place in a recording.

- > Press the **Fast forward** or **rewind** button during playback.
▶▶ or ◀◀ appears in the previously mentioned small Infobox. The recording is played back at **4x speed** in the selected direction.
- > Press the **Fast forward** or **Rewind** button again and the speed increases to **16x** and the message switches to ▶▶▶ or ◀◀◀.
- > If you press the **Fast forward** or **Fast rewind** button again, the speed will increase to **64x** and the message ▶▶▶▶ or ◀◀◀◀ appears.
- > Pressing the **Fast forward** or **Fast rewind** button again causes you to jump forwards or backwards in **10 minute** increments.
- > When you get to the place you want in the recording, you can return to normal playing mode by pressing the **Play / Pause** button.

7.2.4 Jog shuttle function

- > During playback press the **Jogshuttle** button (freeze frame) to access jogshuttle mode.
Playback of the recording is halted (freeze frame) and ▶|| is displayed in the Info box.
- > If the **right/left arrow keys** are pressed a number of times you can change the speed and direction of playback in accordance with the displays and speeds shown above.
- > Pressing the **up arrow key** or **the down arrow key** causes the next frame **forwards** or **backwards** to be shown.

7.2.5 Skipping to tags

During playback you have the option of directly selecting locations in the recording at which you have set tags according to sections 8.1.4, 8.2.5, 9.1.3.5 or 9.5.3 in the instruction manual.

- > Using the **Tag** menu item in the **Options selection**, select the tag to skip to the location you want in the recording.

7.2.6 Ending playback

- > Press the **Stop** button to stop playback.
*Playback is ended and your television reverts back into TV mode. In doing so the television "remembers" the place in the recording where playback ended. If you start playing this recording back again, it will automatically resume at the point where you previously left off.

TechniSat Warranty



How to get your three-year warranty

Step by step

1. Register your products within four weeks of purchase - either by sending in your completed registration card (see reverse) or online at **www.technisat.com**.
2. If, contrary to expectations, your equipment should develop a problem, in the first instance please contact your dealer or our technical hotline on +49 (0) 3925 9220 1800 (normal charges will apply for overseas calls).
3. If the problem cannot be resolved by calling our hotline, please complete the Service Report in full (see reverse) and briefly describe the fault with your device.
4. Send the faulty equipment to your dealer, in the original packaging, along with a proof of purchase (copy of invoice or till receipt) and all accessories.



Once the fault has been repaired, the Service Report will be returned to you along with the repaired device with an appropriate comment from our service workshop.



5 Years
warranty

Special note for TV customers:

5-year warranty after product registration of TechniSat digital televisions (3-year warranty + 2-year warranty on parts except for the screen, remote control, and housing parts)

TechniSat

Guarantee certificate

**Warranty**

Dear Customer,

You have purchased a high quality TechniSat product that has been put through multiple quality tests and a stringent goods outwards check at every stage. Should you still encounter a problem with your equipment, contrary to expectations, you can always take advantage of a two-year legal warranty claim. This warranty claim can of course be exercised at any time without having registered the product. However, from the seventh month after the date of purchase, under legal provision, the obligation is on you to prove that the problem with the equipment already existed at the time of purchase. But TechniSat is offering you another solution. By submitting a fully completed and signed TechniSat registration card, your two-year legal warranty claim is converted into a three-year warranty. This releases you from your legal obligation to prove that the item was faulty, for a period of three years from the purchase of your equipment (based on the billing date). In the event of a claim under warranty, you will receive - at TechniSat's discretion - a free repair of your equipment or an as-new equivalent replacement device. To be sure of enjoying your warranty in full, make absolutely sure that only original TechniSat accessories (such as cables, plugs etc) are used during installation.

Invalidation of the warranty claim

All warranty claims are invalidated if the equipment interior is accessed by anyone other than TechniSat or if the equipment is modified (e.g. by hardware or software modifications). Service under warranty shall also not apply in the event of damage caused by incorrect installation or improper use, or in the event that manufacturer's numbers have been changed or rendered illegible, or mechanical damage has been caused by accident or impact. The guarantee does not cover compensation or expenses, specifically not loss of data, e.g. channel lists that have been set up or recordings on hard disks.

What to do in the event of damage

If you encounter a problem with your TechniSat equipment, despite the ultra-modern manufacturing and constant quality checking, we would ask you to first contact your dealer or our technical hotline on +49 (0) 3925 9220 1800 (normal charges will apply for overseas calls). If we cannot solve the problem in this manner, we would ask you to contact your dealer or supplier.

Please make sure you complete and send off the registration card!
Or you can conveniently register online at www.technisat.com

Note on

Making a claim under warranty

The warranty can only be invoked if:

1. the fully completed registration card has been received by us no later than 4 weeks after purchase, or you have registered the product online during this period.
2. you have first attempted to resolve the issue by contacting your dealer or our technical hotline on +49 (0) 3925 9220 1800 (normal charges will apply for overseas calls).
3. you have filled out the Service Report in full, including a precise description of the problem.
4. the defective equipment is returned to the vendor, including any accessories (e.g. network cables, remote control etc), but not smartcards and CI modules (that are not included with delivery), in the original packaging, along with a proof of purchase (copy of invoice or till receipt) and the completed Service Report. The Service Report will be returned to you along with the repaired device with an appropriate comment from our service workshop.

How to register your product

1) Registration by post:

cut out the completed TechniSat registration card along the dotted line, place in an envelope with the appropriate postage affixed and send to the following address (see right):

2) Online registration:

Just complete the guarantee form you will find online at the TechniSat website (www.technisat.com) and your product will be registered with TechniSat.

TechniSat Teledigital GmbH

- TechniSat Warranty -

Nordstrasse 4a

D-39418 Stassfurt

Germany

Service Report in the event of a claim under warranty

If, contrary to expectations, you encounter a problem with your equipment, despite the ultra-modern manufacturing and constant quality checking, we would ask you to first contact our technical hotline on +49 (0) 3925 9220 1800 (normal charges will apply for overseas calls). If we cannot solve the problem in this manner, we would ask you to contact your dealer or supplier. If you do so, please complete the following Service Report beforehand.

Service Report

Serial No.:

Item number:

Note

The serial and item numbers are located on the back of the box or directly on the equipment.

Description of fault

Please briefly explain the problem with your equipment

Surname:

First name:

Street:

Post code: City/town:

Telephone:
optional

Please note that a repair under warranty can only be carried out quickly and smoothly if this Service Report is completed in full, and submitted with a proof of purchase (delivery note, invoice, till receipt etc), the defective equipment in the original packaging, including all accessories (e.g. network cable, remote control) and a precise description of the problem. The Service Report will be returned to you along with the repaired device with an appropriate comment from our service workshop.