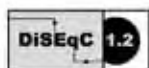


TechniSat

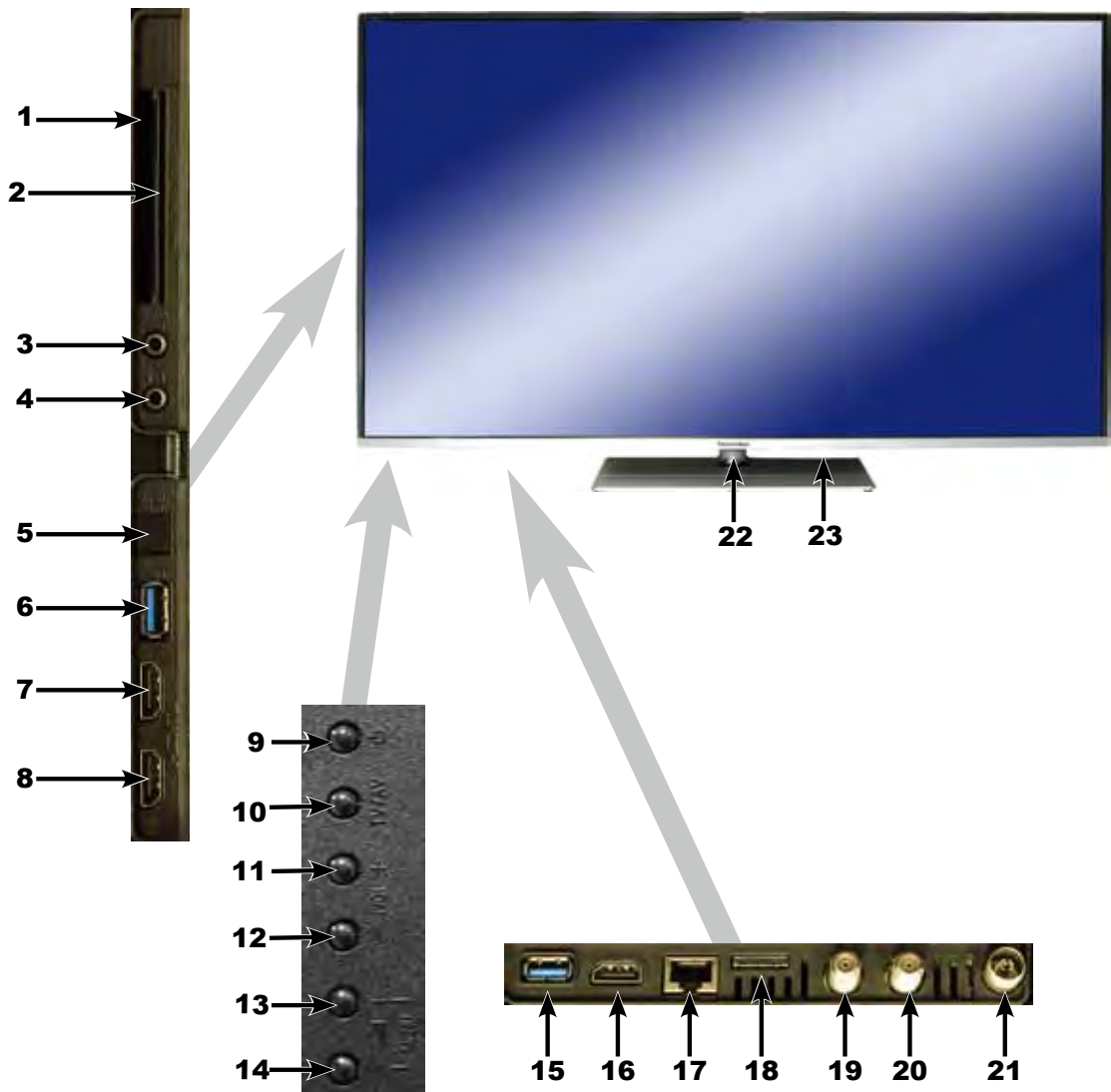
Quick start manual

TechniMedia UHD



1 Illustrations

TV connections / Local control



Connections

- 1** Common Interface
- 2** Card reader
- 3** Audio output analogue (3,5 mm jack plug)
- 4** Headphone output (3.5 mm jack plug)
- 5** Audio output - digital (S/P DIF optical)
- 6** USB-port
- 7** HDMI interface 1
- 8** HDMI interface 2

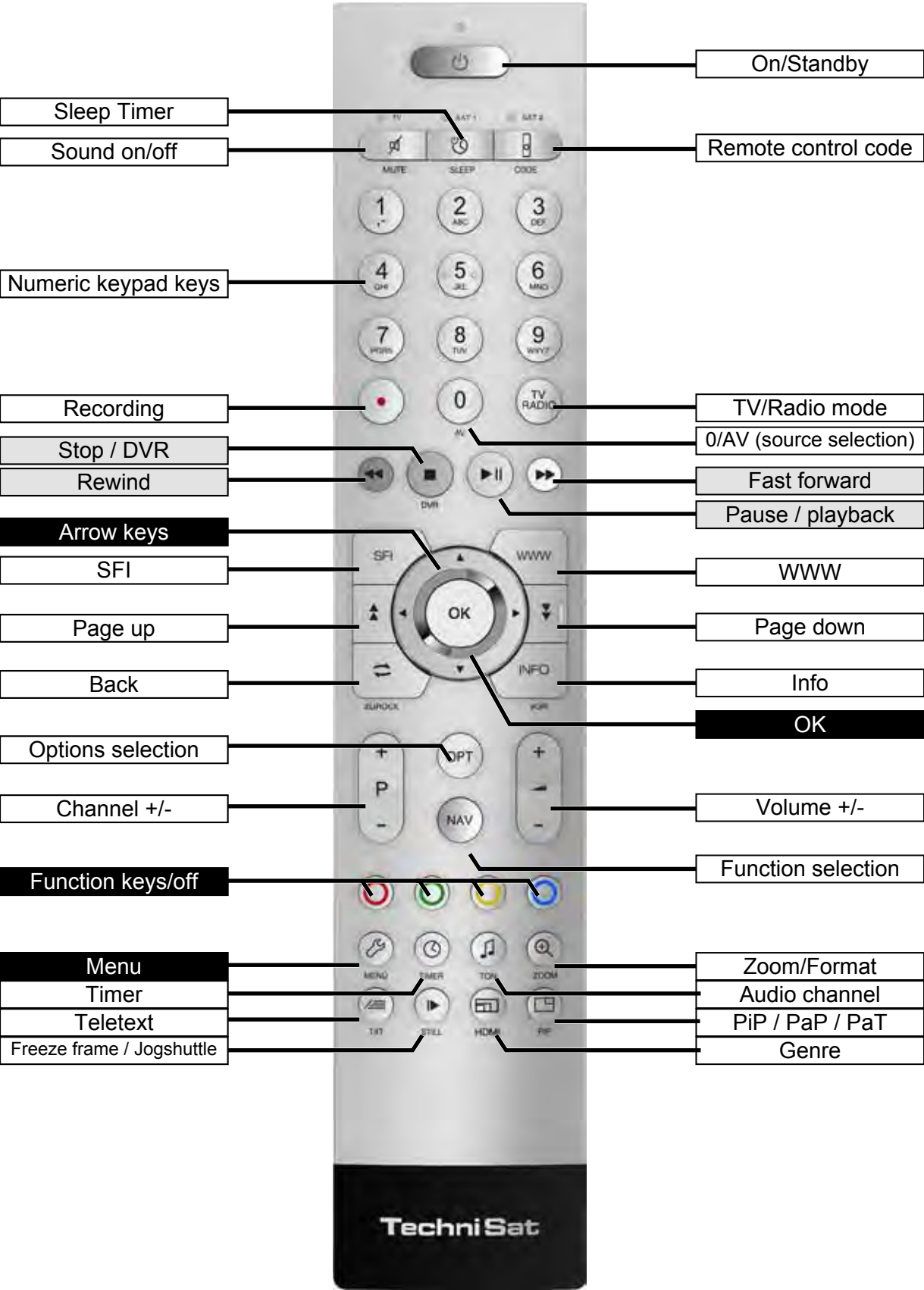
- 15** USB-port
- 16** HDMI interface 3 (ARC)
- 17** LAN network port
- 18** Scart connection (AV)*
- 19** LNB Input 2 (DVB-S)
- 20** LNB Input 1 (DVB-S)
- 21** Antenna input (DVB-C, DVB-T, analogue)

* Scart-Adapter included.

Display / Operation

- 9** On/Standby
- 10** TV/AV
- 11** Programme +
- 12** Programme -
- 13** Volume +
- 14** Volume -
- 22** LED / IR receiver
- 23** Mains power switch

1 Illustrations



2 Please read this first

Dear customer,

This quick start guide only describes the most important connection options and the basic operating steps to enable you to start operating the TechniMedia UHD quickly, and does not replace the operating manual. Many additional functions are described in the operating manual that are not mentioned in this quick start guide. Furthermore, the operating manual provides a great deal of additional information regarding the individual device functions and settings, to further explain the options and the meaning of the settings and functions.

Please also note the information regarding safety, proper use, operation, power consumption, the transport and cleaning of the device provided under point 3 of the operating manual. This point also includes information regarding disposal of the packaging and the device itself. Furthermore, this point also includes the manufacturer's declaration.

2.1 Inserting/replacing 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 Legal Notices

 The devices within the TechniMedia UHD series comply with the basic requirements and the other relevant provisions of the 1999/5/EC, 2006/95/EC and 2004/108/EC directives and bear the CE mark. 

 This device can be operated in Germany, Austria, Switzerland, Belgium, the Netherlands, Luxembourg and Italy. 

DE	AT	CH	BE
NL	LU	IT	

 Subject to modifications and typographical errors. Version 07/15. You can find the current version of the manual in the Download area of the TechniSat homepage. Copying and duplication only with the consent of the publisher.

 TechniMedia UHD 43, TechniMedia UHD 49, TechniMedia UHD 55 and TechniSat are registered trademarks of TechniSat Digital GmbH, Postfach 560, 54541 Daun, www.technisat.de.

Manufactured under licence from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

2.3 Servicing notes

 **Warning:** if you encounter a problem with this equipment, first please call our Technical Hotline. This is available Mon - Fri 8am to 8pm on +49 3925 9220 1800.

 Should you be required to return the device, please send it to TechniSat Teledigital GmbH, Service-Center, Nordstr. 4a, 39418 Staßfurt.

3 Connecting

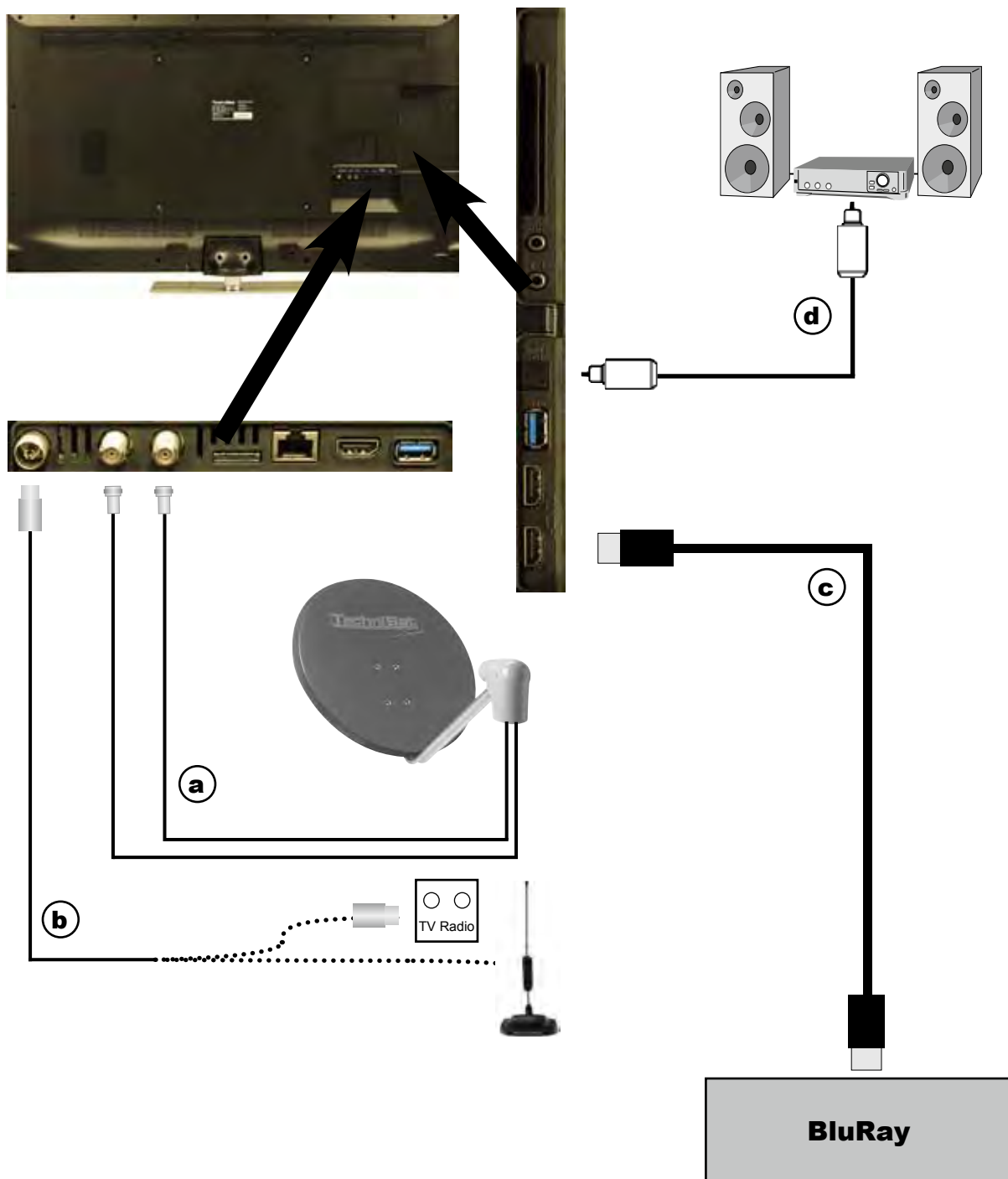
a Connection/s connecting the satellite antenna to **LNB-Input 1/LNB-Input 2**

i When operating with an antenna signal, the **LNB** must be connected to **LNB Input 1**.

b Connecting the cable connector (digital and/or analogue) and/or the DVB-T antenna to the **antenna input** on the TV.

c Connecting the television to a BluRay/DVD player using an **HDMI** cable.

d Connecting the digital **audio output** to a surround sound system.



 The following references **(a b c)** refer to the connection example on page 5.

3.1 Satellite antenna

a Connect the **LNB inputs 1 / 2** using two separate antenna feed cables that are set up identically to be able to use the full range of functions.

or

If there is only one antenna signal available, connect this to **LNB input 1 on the television.**

 Also note points 7.16, 8.1 and 10.6 of the operating 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 Use an HDMI connection cable to connect your BluRay/DVD player, for example, to 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 electrical or optical input (S/P-DIF) or an HDMI input, connect the **Audio output digital optical or HDMI 3 (ARC)** socket to the corresponding 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 so, connect the 3.5 mm jack socket on the **analogue audio output** on the TV to the cinch socket on one of your amplifier's inputs (e.g. TV or AUX;
Note! 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 fully 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 take on 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 where 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 distinguished from the rest of the text by the print format used.

-  Warning - indicates an important note which you must always observe in order to avoid problems with the television, loss of data or unwanted operation.
-  Tip - indicates a note about the function described as well as other functions associated with it and any others to be observed with reference to the respective item in the instruction manual.

4.1 Switching the television on/off

- > When the receiver is on standby, you can switch it on by pressing the **On/Standby** button on the remote control/TV.
- > When operating normally you can switch the device to standby mode by pressing the **On/Standby** button on the remote control/TV.
-  When switching the television on and off, note section 7.1 of the instruction manual as well, plus the references given in this section.

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 using the arrow keys to move the highlight to this item.



- > 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 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.
-  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.

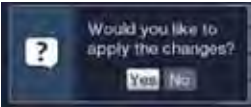
4.3 Accepting settings / Exiting menus and functions

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 **Back** 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.
The 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 exit the menu directly.
Settings that need to be saved manually will be reset in this case.
-  If the **green** function key with **Accept** is not displayed on the bottom line of the screen, the changes are saved automatically on exiting the menu.

4.4 Changing a setting

You can carry out 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:

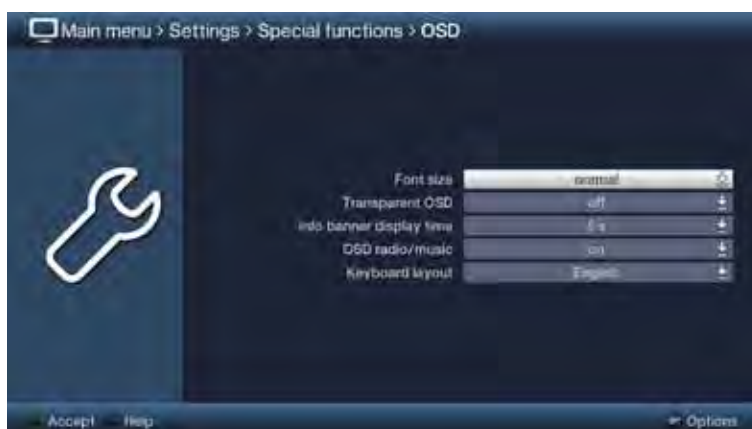
-  **Arrow selection** method (section 4.4.1)
Arrows are shown at the left and right edge of the highlight.
-  **Selection list** (section 4.4.2)
The symbol is shown at the right edge of the highlight.
-  **Entering numbers** (section 4.4.3)
-  **Virtual keyboard** (section 4.4.4)
The symbol is shown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

4.4.1 Arrow selection method

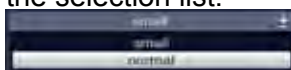
- > If ◀ is shown on the left and ▶ on the right, next to the set value, you can alter this using the **left/right arrow keys**.

4.4.2 Selection list

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



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

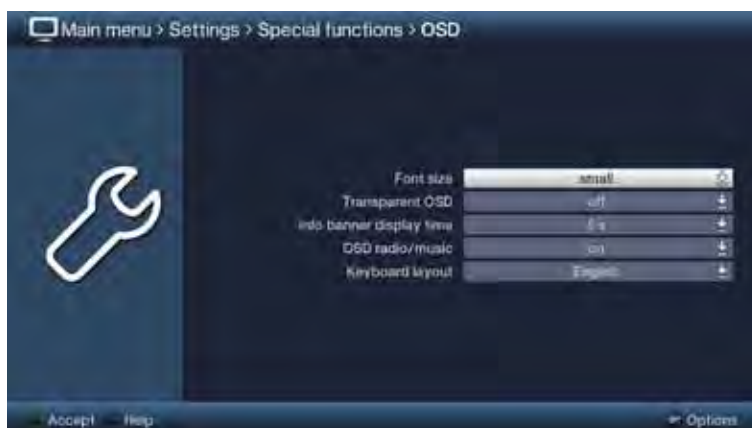


- > Highlight the setting you want using the **up/down arrow keys**.



- i 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 you want using the **numeric keypad key** if a question mark  or a number value  or  is shown inside the highlight.
-  Note the number of digits used in the entry since 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".

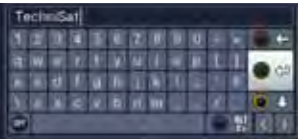
4.4.4 Virtual keyboard

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 the **OK** button to open the virtual keyboard. The keyboard now appears in 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 to 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 and 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.
 :	Move 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 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 immediately begin selecting the next character 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, e.g. the TechniSat ISIOControl Keyboard (Product no.0001/3850) or ISIOControl Keyboard II Product no.0002/3850), you can also use this keyboard to carry out all of the input entered via the virtual keyboard. The TechniSat ISIOControl keyboards are specially tuned to the TV and enable many additional operating functions to be controlled.
-  You can also use the MyTechniSat app (point 10.5.3.1 of the operating manual) on your smartphone or tablet to enter input via this keyboard and use all of the device's operating functions.

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.

- > Press the **Options** button to open the options selection function in the lower right-hand corner of the screen.
In this example we can see the options selection for the channel list.



- > Each 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 another window on the left.



- > You can use the **up/down arrow keys** within the options group to highlight one of the options listed 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 then 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

During initial installation of the TV, the **AutoInstall** installation 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 shown here simply serves 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.
- i You can change the selected display mode again to whatever you want after AutoInstall, as described in section 10.1 of the instruction manual.
- i When using the **intense** or **natural** image modes, observe the information displayed and points 3.3.3, 7.10 and 10.1 of the operating manual and confirm by pressing the **OK** button.

Selecting reception signals

- > Use the **up/down arrow keys** to select the reception signals for which you want to switch availability **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.

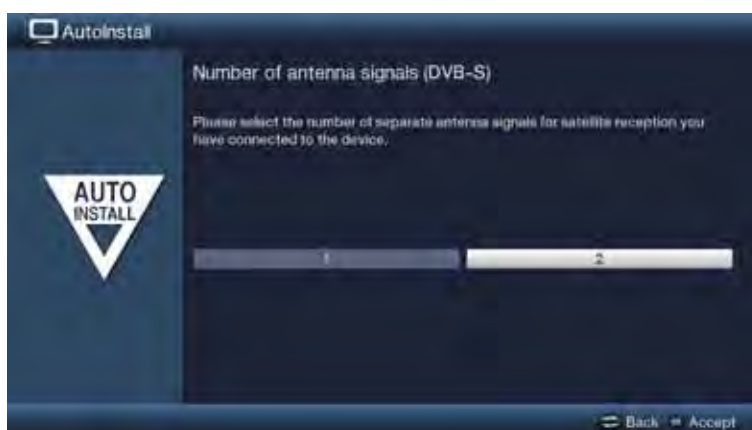


- > Press the **OK** button to open the selection window, highlight the setting you want with the **up/down arrow keys** and close the window by pressing the **OK** button again.
- > To get to the next step of the installation, use the **arrow keys** to highlight the **Accept** field and confirm with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

Number of antenna signals (DVB-S)

Select the number of attached DVB-S antenna feed lines.

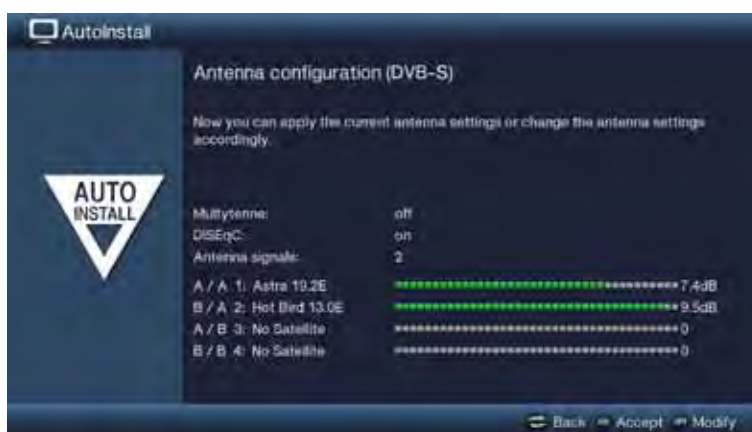
- i** If the DVB-S source has been disabled, this page of the installation wizard does not appear; you are taken directly to the “**Antenna settings (DVB-T)**” page instead.



- > Use the **right/left arrow keys** to select the attached antenna signals and confirm by pressing 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.



- > 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 item 10.6 in the instruction manual.

Antenna configuration (DVB-T)

In this step, a channel range is displayed with the signal levels of the channels so you can align the DVB-T antenna to ensure optimal 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** and **off** 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

In this step the TV automatically checks the 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 point 10.4.1 and 10.4.2 of the operating manual, then confirm using the **green** function button to apply the settings.
- > After the network check has been successfully completed, press the **OK** button to move to the next step.



- > 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.
- i 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.
- i **All channels** searches for free-to-air and encrypted channels, whereas **All unencrypted channels** only searches for free-to-air channels.

Regional programmes

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



- > Using the **arrow keys** highlight the channel provider for the preferred regional programme you wish to set up and select this using the **selection list**.
- i If you subsequently select another regional channel for a broadcaster in accordance with point 6.2.4, this will be saved for this broadcaster from this point forward.

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 observe items 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 don't want to wait to search for a new Internet link list and (if applicable) to load the list, you can skip this step by pressing the **Info** or cancel it by pressing the **OK** button.

watchmi

- > Select the desired option using the arrow keys and then confirm by pressing the **OK** button.



Off The watchmi service is switched off.

On The watchmi service is switched on.

-  Please also note the further instructions and explanations regarding watchmi under point 7.26 of the operating manual.

Loading SFI data

In order that the data in the electronic programme guide SFI (SiehFernInfo) can be displayed, you must first download it. To this end your TV automatically starts loading the SFI data.



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

-  If the SFI update has been skipped, your TV automatically loads the SFI data at the time configured as per point 10.8.2 of the operating manual, provided the function (point 10.8.1 of the operating manual) remains activated and the device is also in standby at this point in time. You can also start the update manually at any time (point 10.8.7 of the operating manual).

Product registration

By registering your product you secure further benefits and help us to tailor our products and services to suit you even better.



 Please note that an Internet connection is required to do so.

Exiting the installation wizard

> Confirm the final message from the installation assistant 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 depressing 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/Standby** 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 lock (TechniFamily) outlined under point 10.9 of the operating manual is activated, the user selection as per point 7.1.3 of the operating manual will now be displayed.

6.1.3 Switching off to standby mode

- > Switch the TV off by pressing the **On/Standby** button on the remote control or on the receiver.
-  Please note that the device's database is saved when switching off the device. This process takes a few seconds. During this time the LCD display is already switched off.
-  After saving, the device switches fully to standby. The device is now in standby mode and can be switched off at the mains.

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**.
-  In this case neither automatic updating of the software and SFI data nor the recording and alarm timers can be executed.
-  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 Selecting a channel

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** button.
The TV channel list appears in television mode and the radio channel list appears in radio mode. The channel currently selected is highlighted.



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

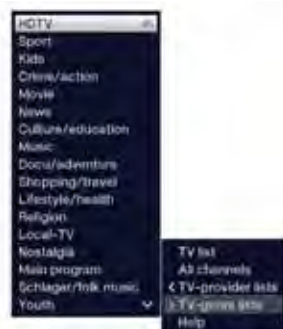
6.2.3.1 Selecting the channel

- > 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 programme 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 **favourite's 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.
- > Using the **right/left arrow** keys you can now select your favourite's lists and the overall list and, using the **Option selection** function, you can filter the channel list (e.g.. by provider, genre or signal source), view the list sorted alphabetically or by channel position number and search for a channel using the list search function.



- > 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 programme

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



- > Using the **Options selection** you can select between the various regional programmes under the **Region** item.
-  The selected regional programme is now stored as a preferred regional programme 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 programme listened to.
-  Alternatively you can also switch between TV and Radio mode as described in point 6.18.
-  To do this also note the setting for OSD Radio/Music in section 10.5.1.4 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 TV's HDMI inputs (**HDMI 1 / 2 / 3**) or to the Scart socket (**EuroAV**).
 - > 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 items 7.2.1 - 7.2.3, 7.2.6, 10.9 and 12 in the instruction manual.

6.4 Channel/source information

6.4.1 Info box

Following each channel change an infobox appears on the screen for the configured period of time (point 10.5.1.3 of the operating manual).



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. **TxT** for teletext, **16:9** for 16:9 transmissions,  for subtitles,  for encrypted channels or **DDD** for Dolby Digital broadcasts) are shown in this Info box.

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

- > By pressing the **Info** button, the information listed in point 6.4.1 appears once again for the configured period of time as per point 10.5.1.3 of the operating manual.

6.4.3 Additional programme information

If broadcast, you can access additional programme information for the selected programme.

- > If you press the **Info** button twice, the info window is enlarged and extended information for the currently selected programme is displayed.
- > You can scroll through longer info texts line by line using the **up/down arrow keys** or flick through page by page using the **page up/down** buttons.
- > If broadcast, the information for the subsequent programme is displayed by pressing the **Info** button once again.
- > Press the **Info** once more to hide the display again.

6.5 Receiving encrypted channels

- > Insert a CI-/CI+ module into the slot with the top facing to the back and insert the Smartcard into the card slot in the CI-/CI+ module, with the golden chip to the rear and pointing in the direction of insertion

or

- > Insert the Smartcard into the device's card reader with the golden chip to the front and pointing in the direction of insertion.

 When doing this you should also observe point 7.5 of the operating manual.

6.5.1 Smartcard PIN code

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

- > To release the programme, use the **numeric keypad** to enter the 4-digit **smartcard PIN code**.

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 **Sound on/off** button - press the key again to switch the sound back on.

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**.

 When doing so please also note section 7.7 in the instruction manual.

6.8 Sound mode

Via the sound mode selection you can switch between the **Neutral**, **Film**, **Music** and **Speech** sound modes, directly during operation.

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

-  The sound modes can be configured as desired as described in point 10.2 of the operating manual.

6.9 Display mode

Using the image mode selection function you can switch between the **Economic (home use), Natural (standard), Intense (presentation), Film (Cinema) and PC (Graphics)** image modes directly during operation.

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

-  The image modes can be configured as desired as described in point 10.1 of the operating manual.

6.10 3D/2D playback mode

Your TV features a 3D playback function

-  Therefore please note the information provided in point 3.3.1 of the operating manual.
- > Using the **Option selection** function under point **3D** select the desired display mode (2D or 3D mode) for the received image.
 - > Then select how the image is currently being transmitted by the broadcaster.
-  When doing this you should also observe point 7.11 of the operating manual.

6.11 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 7.12 in the instruction manual.

6.12 Teletext

Your TV can display video text information from channels that transmit video text data. This is indicated by the  symbol in the infobox.

6.12.1 Switching teletext on/off

- > Press the **Teletext** button to switch on teletext for the currently selected channel, together with its overview page.
 - > You can exit Teletext by pressing the **Back button.**
-  When doing so please also note section 7.13 in the instruction manual.

6.12.2 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.

6.13 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.

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

red function key	increase the picture height
green function key	decrease the picture height
yellow function key	increase the picture width
blue function key	decrease the picture width
up/down arrow key	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

- > To hide the format switching display press the **Back** button

6.14 PiP / PaP function

Your television is equipped with both the PiP function (**PiP = Picture in Picture**), and the PaP function (**PaP = Picture and Picture**).

 When doing so please also note section 7.16 in the instruction manual.

6.14.1 Calling up the PiP / PaP function

- > You can switch on the PiP or the PaP function by pressing the **PiP / PaP** button.

6.14.2 Toggling PiP / PaP pictures

- > You can toggle between the two pictures by pressing the **Back** button.
The PiP/PaP picture becomes the main picture and vice versa.

6.14.3 Exiting the PiP / PaP function

- > You can exit the PiP/PaP function by pressing the **PiP / PaP** button or by pressing the **TV/Radio** button.

6.15 Freeze frame

- > The television picture is displayed as a 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.

6.16 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.

6.17 SFI programme information guide

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

-  To do this also observe sections 7.18 and 10.8 of 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 item 10.8.6 in the instruction manual. The **Overview start** category is selected in the factory settings.



- 1** Display time > states the time of the programmes to be played. Timeline > graphic display of the available data for the marked programme.
 - 2** Channel name with the corresponding channel slot within the active favourites list.
 - 3** Progress bars or the start/stop time of the programme being shown.
 - 4** The current date and the time.
 - 5** Programmes on the channel being shown.
- > You can access the various SFI 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 **right/left arrow** keys, the **up/down arrow** keys and the page **up/down button**.
 - > If there is further information on the marked programme available you can call this up or hide it by pressing the **Info** button.
 - > By pressing the **OK** button you can switch directly to the highlighted programme.
 - > You can exit the electronic programme guide again by pressing the **SFI** button.

6.18 Selecting a function

- > 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 7.21 and 10.9 of the instruction manual.

6.19 HbbTV

-  The symbol  in the infobox indicates that the broadcaster provides an HbbTV application.
- > Switch on the HbbTV function via **Option** selection under **HbbTV** on so that it can be used for the current operating phase.
- > 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 basically operated as described below.
- > Within the HbbTV application you can move the highlight using the **arrow keys** or the buttons shown.
- > You can use the **OK** button to confirm the highlighted item and call this up, as long as the highlighted item has additional sub-items.
- > 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 7.14, 10.4.1 and 10.4.2 or 10.5.2.8 of the instruction manual.

6.20 Internet

Your device can use an existing broadband connection to access the Internet. To do this, the TV must be connected to your 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 7.25, 10.4.1 and 10.4.2 or 10.5.2 of the instruction manual.
-  A pre-programmed Internet list makes it easier to call up a few websites of interest. This list can be expanded and amended as desired.
-  To ensure interference-free display of moving pictures, a minimum bandwidth of 3Mbit/s must be available. If the bandwidth is less, this can cause interferences (jerky or static images). This is not the result of a TV malfunction.

6.20.1 Using the Internet list to call up websites

- > Press the **WWW** button to switch to Internet mode and open the Internet list.
-  The Internet List Navigator now appears. The last web link accessed is highlighted and loaded in the background.

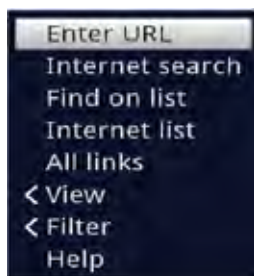


- > You can now use the **up/down arrow keys**, the **page up/down** buttons and the **number keys** to highlight the desired Internet link.
- > Pressing the **OK** button opens the highlighted Internet link.
-  The duration before the selected page is displayed depends on the selected page and the bandwidth of your DSL connection.

6.20.1.1 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 **Favourite lists** as per section 13.

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



6.20.1.2 Filtering by genre

- > Using the **Option selection > View** option you can configure the way the currently displayed Internet list is sorted.
- > You can search for a saved Internet link via the **Option selection > List search** option.
- > To filter an Internet list by specific genres, go to **Option select > Filter > Genre** and select the genre for which the links are to be displayed.



6.20.2 Calling up web pages by entering a URL.

In addition to the option of selecting Internet links, you can call up the desired websites by manually inputting the **URL (Uniform Resource Locator)**.

- > Press the **WWW** button **twice**.

or

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

 The **virtual keyboard** opens and enables you to enter the desired web address.

6.20.3 Navigating in the open website

- > Once the desired website has loaded and is displayed, depending on the setting under point 10.5.2.6 of the operating manual, either a highlighted area/frame or term/text appears, or the mouse cursor appears at a position 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 ISIOControl Keyboard II (Product no.0002/3850) and mouse navigation is activated as per point 10.5.2.6 of the operating manual, you can also control the mouse cursor on the screen using the keyboard's so-called trackball, making Internet use considerably more convenient.
-  You can also easily move the mouse cursor on the screen by using the MyTechniSat app on your smartphone or tablet, provided the smartphone operation function is activated as per point 10.5.3.1.1 of the operating manual.

6.20.4 Updating page content

- > In the **Option selection** menu select **Update** to reload the currently displayed web page.

6.20.5 Cancelling the load process

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

6.20.6 Adding a favourite to the Internet list

- > First call up the web site that you want to add as a favourite via the **URL input**.
- > Then, in Options selection select Add favourite.
-  When doing this you should also observe point 13 of the operating manual.

6.20.7 Search engine

- > By calling up **Internet search** under **Option selection**, the web page for the search engine specified in point 10.5.2.7 of the operating manual is called up.

6.20.8 Status

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

6.20.9 Ending Internet use

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

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.
-  Also note points 8 and 9.4 of the operating 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 with one push of a button.

2. Timer-controlled recording

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

3. Timeshift recording

Timeshift recording enables timeshifted 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 **Play/ Pause** 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 e.g. a telephone call, you can press the **Play / Pause** button to pause the programme and start recording it at the same time.
- > Press the **Play / Pause** button again to resume programme playback from the same place.
-  You now be watching the programme with a time delay (**Timeshift**; see point 8.1.3 of the operating manual), while the ongoing live broadcast continues to be displayed in the background.

7.1.3 Ending manual recording

- > First select the recording to be ended by selecting the channel on which the recording is running as described under section 6.2 of the quick start manual.
- > Pressing the **Stop** button generates a query as to whether the recording should be stored or discarded.



- > Select **Store** 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 turns your television on and off for the selected programme, so as to record it while you are out, for example. To this end you can programme the timer either manually or automatically using the SFI (see points 7.18.6 and 7.19 of the operating 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.



- > You can start to playback a recording by highlighting it and then confirming with **OK**.
-  In doing so also be absolutely sure to observe section 10.9 in the instruction manual.
-  The broadcast information can be displayed and hidden by pressing the **Info** button repeatedly.

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 **Function selection** call up **Films / DVR**.
- > If applicable first select the storage medium and then open the **Own 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 **Function selection** call up **Films / DVR**.
- > If applicable first select the storage medium and then open the **Own recordings** folder.

7.2.2 Pause / 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/rewind functions so you can get to a specific place in a recording.

- > During playback press the **Fast forward** or **Rewind** button. The message ►► or ◄◄ appears in the aforementioned small infobox. The film is now played back at **4x** speed, in the chosen direction.
- > If you press the **Fast forward** or **Fast rewind** button again, the speed will increase to **16x** and the message ►►► or ◄◄◄ appears.
- > If you press the **Fast forward** or **Fast** rewind button again, the speed will increase to **64x** and the message ►►►► or ◄◄◄◄ appears.
- > By pressing the **Fast forward** or **Fast rewind** button you can 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 **Pause / Play** button.

7.2.4 Jogshuttle function

- > During playback press the **Jogshuttle** (freeze frame) button to switch to Jogshuttle mode.
-  Playback of the recording is paused (freeze frame) and “►II” appears in the Infobox.
- > 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

You have the option of going directly to the points at which you have set markers as per point 8.1.4, 8.2.5, 9.1.3.2 or 9.5.4 of the operating manual.

- > Using the **Option selection** function, select the corresponding marker under **Marker** to jump to the desired point in the recording.

7.2.6 Ending playback

- > Press the **Stop** button to stop playback.
Playback is ended and your television reverts to TV mode. In doing so the television "notifies" 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



**2 year warranty on
product registration**



Here's how to secure your warranty!

In addition to the statutory guarantee, TechniSat grants you the following warranty / warranty extension options:



2 Year Warranty

Register your product within 4 weeks of purchase online at www.technisat.de/garantie. In the case of product registration, the warranty period (device warranty) runs for 2 years from the date of purchase from your specialist retailer or distribution partner, or in the TechniShop.

Extend your warranty period!



3 Year Warranty

If, during product registration (www.technisat.de/garantie), you have consented to use of your personal data by TechniSat Digital GmbH for advertising and marketing purposes, the warranty period (device warranty) shall be extended by a further year, to 3 years from the date of purchase.



Warranty Tickets

TechniSat offers the option of purchasing a parts warranty ticket for selected products in your specialist retail outlet or in the TechniShop (www.technishop.de). Thus, following expiry of the two-year (or extended three-year) device warranty - depending on the ticket duration - you will receive an extended parts warranty.

All detailed information can be found on the following pages.

TechniSat
The German Television Brand

TechniSat Digital GmbH

Warranty Conditions

Dear customer,

Our products are subject to strict quality control. Should your TechniSat product nonetheless fail to function without fault, we very much regret this and request that you contact your specialist retailer or distribution partner or our service hotline as outlined below.

In addition to the statutory guarantee, we offer a warranty on all specifically labelled TechniSat devices in accordance with the following provisions, unless we have expressly excluded certain devices from our warranty promise (e.g. goods sold as seconds or on special offer). **This does not affect your statutory rights.**

1. In the case of product registration, the warranty period (device warranty) runs for 2 years from the date of purchase from your specialist retailer or distribution partner, or in the TechniShop.
2. If, during product registration (www.technisat.de/garantie), you have consented to use of your personal data by TechniSat Digital GmbH for advertising and marketing purposes, the warranty period (device warranty) shall be extended by a further year, to 3 years from the date of purchase.
3. If you have purchased an additional parts warranty (Parts Warranty Ticket) via your specialist retailer, your distribution partner or in the TechniShop and have registered the product, following expiry of the two-year (or extended three-year) device warranty - depending on the ticket duration - you will receive an extended parts warranty on the following device parts: all electronic components and assemblies, excluding the screen, inverter board, housing and remote control.
4. The device and parts warranty is valid within the territory of the European Union and Switzerland.

5. During the warranty period, devices with defects resulting from material and manufacturing defects will be repaired or replaced at our discretion. Replaced devices or parts of devices shall pass into our ownership. Services performed under warranty shall neither result in an extension of the warranty period nor cause a new warranty to be brought into effect.
6. Warranty services include neither compensation for damages nor expenses for data losses incurred within the scope of the repair (e.g. created broadcaster lists or recordings on hard disks). We request that you perform a data backup prior to sending us the device.
7. Warranty claims must be made immediately after becoming aware of the defect, and within the warranty period.
8. The warranty is only valid for the initial purchaser of the device and cannot be transferred to third parties (e.g. by means of private resale).
9. **The following steps are required in order to make a warranty claim:**
 - (1) In order to receive the TechniSat warranty, you must have registered your device with us no later than 4 weeks after purchase, online on the product registration page. Product registration can be carried out at www.technisat.de/garantie
 - (1a) Options for extension of the two-year device warranty: You have extended the warranty period by an additional year by consenting to the use of your personal data for advertising purposes on the product registration page and/or have acquired the parts warranty by means of the purchase and registration of the Parts Warranty Ticket on the product registration page.

TechniSat Digital GmbH

Warranty Conditions

- (2) In order to make a warranty claim and to have the device inspected, please first contact your specialist retailer or distribution partner from whom you purchased the device. They will agree and initiate the further processing of the warranty claim with TechniSat.
- (3) For devices that have been purchased in the TechniShop we request that, in order to make a warranty claim and so as to clarify the defect, you first contact our technical service hotline on +49 3925 - 9220 1800
- (4) If you have been recommended by our service hotline employees to send the device to our TechniSat Service Centre, we request that you use our free shipping note available via the Returns section at www.technishop.de, and send your device to the service address provided below
- including the proof of purchase stating the date of purchase and serial number
 - including all accessories (e.g. network cable, remote control (but without the smartcards and CI modules that are not included within the scope of delivery)),
 - including, if applicable, the separately purchased parts warranty ticket,
 - with a precise description of the fault and
 - in the original packaging.
- (5) Should - following consultation with our service hotline - the device be sent to us via your specialist retailer or distribution partner, they will send the faulty device to the service address provided below for you, free of charge, with their own service report and with the proof of purchase (copy of the invoice or till receipt along with the separately purchased parts warranty ticket if applicable).
- (6) Warranty claims are excluded in the case of damage caused by:
- Misuse or improper handling
 - Environmental influences (humidity, heat, overvoltage, dust, etc.)
 - Failure to adhere to the safety precautions applicable to the device
 - Failure to adhere to the operating manual
 - Use of force (e.g. impact, shock, dropping)
 - Interventions that are not performed by an authorised service agent or by a TechniSat specialist retailer
 - Attempted self-repairs
 - Return shipping in packaging that is not suitable for goods transport.
- (7) In case of warranty you will receive a repaired or as-new equivalent device. We will cover the cost of return.
- (8) Subject to charge, we will repair defects or damage to the device not (or no longer) included within the scope of the warranty. For a personal quotation, please contact our Service Hotline. In this case you must cover the shipping costs.

The TechniSat service address is:

TechniSat Teledigital GmbH | Service Center | Nordstr. 4 | 39418 Staßfurt | Tel: +49 3925 - 9220 1800

Service report for the warranty claim

Should, contrary to expectation, a fault occur in spite of the cutting edge production and continual quality controls, we request that you first contact our technical hotline on +49 3925 - 9220 1800. If we cannot solve the problem in this way, we request that you contact your specialist retailer or distribution partner or send the device purchased in the TechniShop to our TechniSat Service Centre. When so doing – in all cases – complete the following service report in advance.

Service Report

Serial No.

Item No.

Note

The serial and item numbers are located on the reverse side of the box or directly on the device.

Error description

Please explain your device's defect as accurately as possible

Surname:

First name:

Street:

Postal code: Town/ City:

Telephone:
optional

Please note that a repair under warranty can only take place quickly and smoothly if this Service Report is completely filled in, and sent with a precise error description, proof of purchase (delivery note, invoice, till receipt etc.) and the defective device in the original packaging, including all accessories (e.g. power cable, remote control). You will receive the service report, returned to you with a corresponding comment from our service workshop and the repaired device.