Quick guide

DIGIT ISIO S4



BESSER MADE IN GERMANY

HDMI™ HIGH DEFINITION MULTIMEDIA INTERFACE

TechniSat

Foreword

Dear customer,
Thank you for choosing the DIGIT ISIO S4 from TechniSat.
This **quick guide is** designed to help you familiarise yourself with the extensive functions of your new device and use them to their full potential.
It helps you to use the DIGIT ISIO S4 safely and as intended. It is intended for any person who installs, connects, operates, cleans or disposes of the receiver. Keep the quick guide in a safe place for future reference.

For the complete operating instructions, please refer to the optional **operating instructions**, which you can find in the latest version in the download area for your product on the TechniSat website www.technisat.de.
We have written the operating instructions as clearly as possible and kept them as concise as necessary.

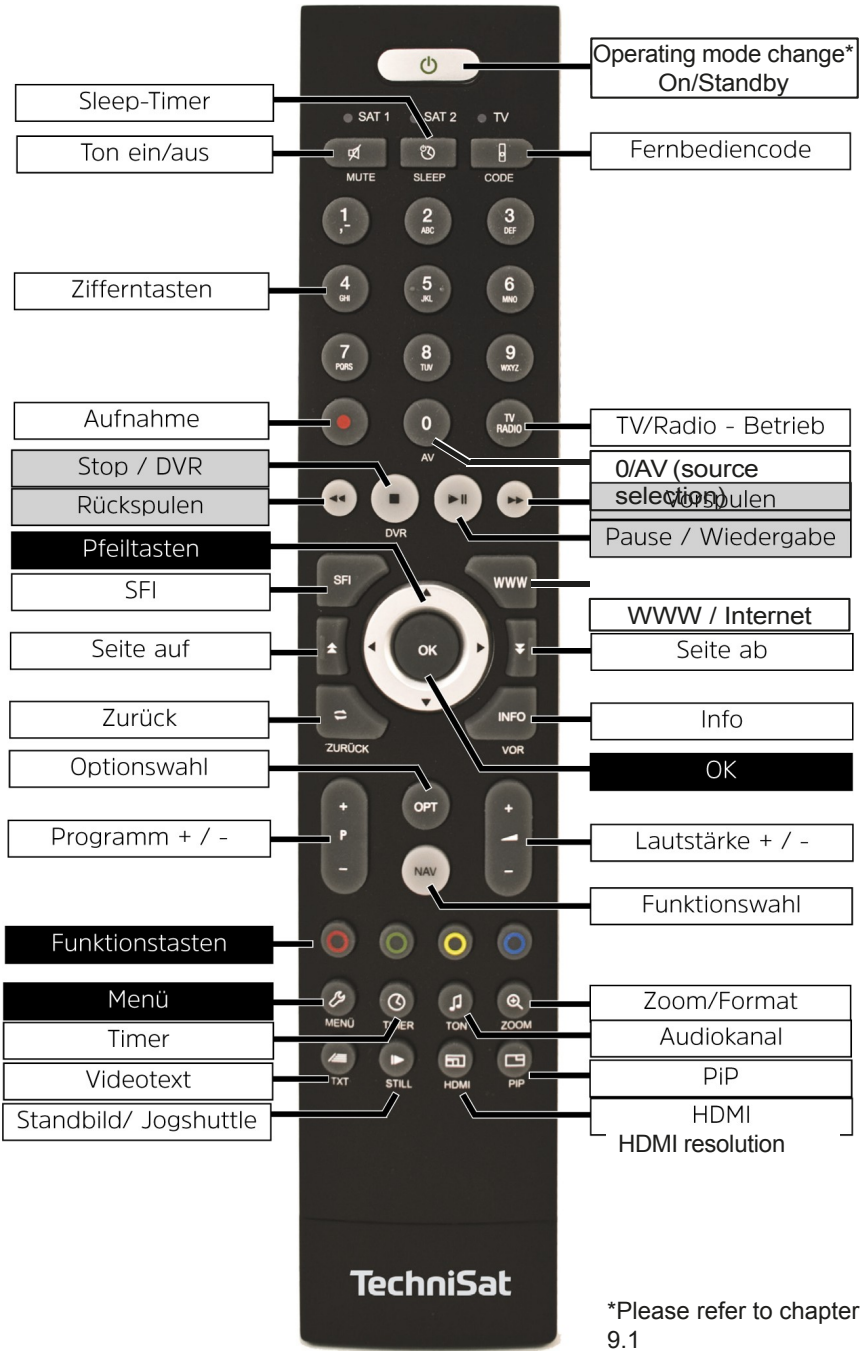
The range of functions of your device is constantly being expanded by Sokware updates. This may result in the addition of some operating steps that are not explained in this quick guide, or the operation or description of existing functions may change. For this reason, you should visit the TechniSat website from time to time to download the latest quick guide or operating instructions.

We hope you enjoy using your TechniSat DIGIT ISIO S4!

Yours
TechniSat Team

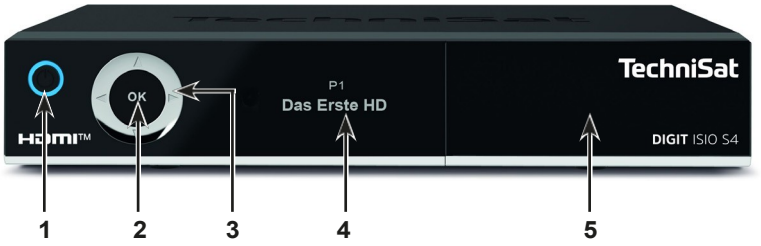
BESSER MADE IN GERMANY

1 Illustrations



*Please refer to chapter 9.1

Front of the device



1 On/standby

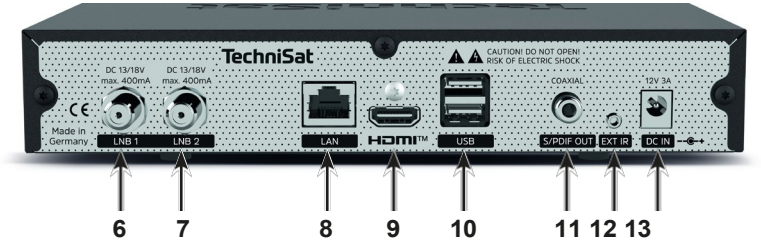
2 OK button

3 Arrow buttons up/down - Programme selection Arrow buttons right/left - Volume +/- Navigation in the menu

4 Info display

5 CI+ module slot (behind the flap)

Connections on the rear of the appliance



6 LNB input 1

7 LNB input 2

8 LAN connection

9 HDMI output

10 2 X USB ports

11 S/PDIF output (electrical)

12 Infrared connection for external IR receiver

13 Power supply connection DC-IN

2 Table of contents

1 Figures....3

2 Table of contents....5

3 Read biUe first....6

4 Safety instructions....6

5 Disposal instructions....10

6 Legal matters....11

7 Optional accessories....12

8 Connecting the DIGIT ISIO S4....13

9 Basic operation....14

10 Initial installation....23

11 Service....35

12 DVR operation....45

13 SoŁware update via USB interface....49

14 Technical data / range of functions....51

15 Troubleshooting aids....54

3 Read biUe first

Before connecting and operating the appliance, first check that the delivery is complete and familiarise yourself with the safety instructions. The scope of delivery includes

1 DIGIT ISIO S4,
1 quick guide,
1 remote control, batteries (2 pcs. 1.5V AAA micro cells)
1 mains adapter.
1 HDMI cable

4 Safety instructions

Explanation of symbols



Indicates a safety instruction that can lead to serious injury or death if ignored. Observe the following signal words:

DANGER - Serious injuries with fatal consequences

WARNING - Serious injuries, possibly fatal

ATTENTION - Injuries



Indicates a note that you must observe to avoid device defects, data loss/misuse or unintentional operation. It also describes additional functions for your device.



Warning of electrical voltage. Follow all safety instructions to avoid electric shock. Never open the device or the power supply unit and only connect additional components when the device is switched off.



Indoor use - Appliances with this symbol are only suitable for indoor use.



Protection class II - Electrical appliances in protection class II are electrical appliances that have continuous double and/or reinforced insulation and no connection options for a protective conductor. The housing of an insulated electrical appliance of protection class II can partially or completely form the additional or reinforced insulation.



Your appliance bears the CE mark and fulfils all required EU standards.



Electronic devices do not belong in household waste, but must be disposed of properly in accordance with Directive 2012/19/EU of the European Parliament and Council of 4 July 2012 on waste electrical and electronic equipment (WEEE).
At the end of its service life, please dispose of this appliance at the designated public collection points.

Ⓥ The power supply unit of your appliance corresponds to energy efficiency class VI.

⊙—⊂—⊕ This symbol indicates the polarity of the DC voltage at the hollow plug of the plug-in power supply unit.

⎓ Switching symbol for direct current.

For your protection, you must read the safety precautions carefully, before using your new appliance. The manufacturer accepts no liability for damage caused by improper handling and non-compliance with safety precautions.
Leakage currents may occur in electrical appliances due to their function. These are permissible and harmless, even if they can be perceived as a slight "tingling" sensation. To avoid these leakage currents, the new installation or interconnection of mains-powered devices (receiver, TV set, etc.) must always be carried out in a de-energised state, i.e. all devices must be disconnected from the mains.

⚠ WARNING	
	**Electrical voltage.** **There is a possibility of electric shock**. **Never open the device or the power supply unit!**

⚠ WARNING
In the following cases, you must disconnect the appliance from the mains and ask a specialist for help:

> the power cable or the mains plug is damaged

> The device has been exposed to moisture or liquid has penetrated

> in the event of significant malfunctions

> In the event of severe external damage

As this appliance is disconnected from the mains by unplugging the mains adapter, it is essential that it is easily accessible at all times.

4.1 Intended use

The device is used to receive digital satellite programmes at home. In addition, video and music content can be played via USB and the Internet. It is intended exclusively for this purpose. Observe all information in this quick guide, especially the safety instructions. Any other use is considered improper and may result in damage to property or even personal injury. No liability is accepted for damage caused by improper use.

4.2 Area of application

Observe all the following instructions for the intended use of the appliance and to prevent appliance defects.

- The appliance may only be operated in a temperate climate.
- To ensure sufficient ventilation, place the appliance on a smooth, level surface and do not place any objects on the lid of the appliance. Do not cover any ventilation slots.
- Do not place any burning objects, e.g. lighted candles, on the appliance.
- Do not expose the appliance to dripping or splashing water and do not place any objects filled with liquid, e.g. vases, on it. If water gets into the appliance, unplug it immediately and contact the service centre.
- Do not operate any heat sources near the appliance that will additionally heat the appliance.
- Do not insert any objects through the ventilation slots.
- Only use accessories approved for the appliance.
- Check the power supply unit with cable regularly for damage and do not use it if it is damaged. Only use the original power supply unit.
- When disconnecting the mains adapter from the socket, pull the plug - not the cable.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children must be supervised to ensure that they do not play with the appliance.

Dealing with BaUeries

- Only operate the appliance with the BaGeries approved for this appliance.
- Normal BaGeries must not be loaded. BaGeries must not be reactivated with other MiGels, taken apart, heated or thrown into an open fire (risk of explosion!).
- BaGerie contacts and device contacts must be cleaned before insertion.
- There is a risk of explosion if the BaGerie is inserted incorrectly!
- Replace BaGeries only with BaGeries of the correct type and model number
- Do not expose BaGerien to extreme conditions. Do not place on radiators or expose to direct sunlight!
- Leaking or damaged batteries can cause fire if they come into contact with the

Causes skin burns. In this case, use suitable protective gloves. Clean the assembly compartment with a dry cloth.

- If the appliance will not be used for a longer period of time, remove the batteries.

4.3 Breaks in operation

The device must be disconnected from the mains and the antenna cable must be removed during a power failure or during longer breaks in operation (e.g. holidays). Before disconnecting the device from the mains, you should first switch it to standby and wait until the red LED lights up.

4.4 Important notes on operation

The use of a so-called "On Screen Display" simplifies the operation of the device and reduces the number of remote control buttons.

All functions are displayed on the screen and can be controlled with just a few buttons.

Related functions are summarised as a "MENU". The selected function is highlighted. In the bottom line, the "function buttons" are represented by colour bars in red, yellow, green and blue. These colour bars represent different functions in the individual menus, which are activated by pressing the correspondingly coloured button ("multifunction button") on the remote control. The "function buttons" are only active if a short description is given in the corresponding field.
Key names and terms that appear in the OSD menu are printed in **feU** in these operating instructions.

Help: If available, help can be found in the menus by pressing the **blue** function button to show or hide a help text.

The illustrations (screenshots) in these instructions are intended as operating examples and to illustrate the basic operating steps. They may vary depending on the device software used.

4.5 Important note on data backup

We recommend that you remove all storage media or data carriers before returning the device to your specialist dealer for maintenance.

The restoration of data is not part of the maintenance and repair work. TechniSat accepts no liability for the loss or damage of data during the repair.

To prevent data loss, you should back up your data from time to time.

5 Disposal instructions

The packaging of your appliance consists exclusively of recyclable materials. BiGe will sort these and return them to the "Dual System".



Disposal of the packaging:

Your new device is protected by the packaging on the way to you. All materials used are environmentally friendly and recyclable. BiGe help and dispose of the packaging
environmentally friendly. Please contact your dealer or your local waste disposal centre for information on current disposal methods.

WARNING
Choking hazard due to film and other packaging materials. Do not leave packaging and its parts to children.

Disposal of the appliance:

Old appliances are not worthless waste. Valuable raw materials can be recovered through environmentally friendly disposal. Please enquire at your local authority about the options for disposing of the appliance in an environmentally friendly and appropriate manner. Before disposing of the appliance, any batteries should be removed.

Important note on the disposal of batteries: Batteries may contain toxic substances that are harmful to the environment. Before disposal, remove any batteries from the device and dispose of them in accordance with the applicable legal regulations.
Never dispose of BaGeria/batteries in normal household waste. You can dispose of used batteries free of charge at your specialist dealer or at special disposal centres.

We hereby advise you to delete all personal data stored on the device on your own responsibility before disposing of the device.

6 Legal matters

Your appliance bears the CE mark and fulfils all required EU standards.
Subject to changes and printing errors. Status 03/23.
Copying and reproduction only with the authorisation of the publisher.
TechniSat and DIGIT ISIO S4 are registered trademarks of the

TechniSat Digital GmbH
TechniPark
Julius-Saxler-Str. 3
D-54550 Daun/Eifel
www.technisat.de

Declaration of Conformity

Hereby, TechniSat declares that the radio equipment type DIGIT ISIO S4 is in compliance with Directive 2014/53/EU.
The full text of the EU Declaration of Conformity is available at the following Internet addresses:

hGp://konf.tsat.de/?ID=24450

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade Dress and the HDMI logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

The names of the companies, institutions or brands mentioned are trademarks or registered trademarks of their respective owners.

TechniSat is not liable for product damage due to external influences, wear and tear or improper handling, unauthorised repairs, modifications or accidents.

6.1 Service instructions

This product is quality-tested and comes with a statutory warranty period of 24 months from the date of purchase. Please keep the invoice as proof of purchase. With
For warranty claims, please contact the dealer of the product. The warranty conditions can be found at the end of this document.

For questions and information or if there is a problem with this device, please contact our technical hotline

Mon. - Fri. 8:00 - 18:00 under Tel:
03925/9220 1800.

Repair orders can also be applied for directly online at www.technisat.de/reparatur.

If you need to return the device, please use only the following address:

TechniSat Teledigital GmbH
Service Centre
Nordstr. 4a
39418 Staßfurt

7 Optional accessories

ISIZAPPER universal remote control
Art. No. 0000/3771
The ISIZAPPER Universal remote control is an optional remote control that is specially designed to operate the ISI mode.

TELTRONIC ISIO USB dual-band WLAN adapter
Art. No. 0005/3633

Bluetooth dongle
Art. No. 0000/3635

External infrared receiver
Art. No. 0000/3615

STREAMSTORE HDD 1 TB USB 3.1
Item no. 0002/2587

12-volt adapter cable
Item no. 0000/3204

8 Connecting the DIGIT ISIO S4

8.1 Remote control / change of model

WARNING
Make sure that BaGerien does not get into the hands of children. Children could put BaGeria in their mouths and swallow it. This can lead to serious damage to health. In this case, consult a doctor immediately! Therefore, keep BaGerien out of the reach of small children.

> Open the cover of the battery compartment on the back of the remote control by pressing lightly on the marked area and sliding the cover in the direction of the arrow.

> Insert the baGeries supplied, observing the correct polarity (labelling visible in the baGeries compartment).

> Close the battery compartment again.

8.2 Connecting the satellite system

> Connect the **LNB inputs 1** and **2** (**6/7**) with two separate antenna feed lines that are assigned identically in order to be able to utilise the full range of functions.

> If only one antenna signal is available, connect this to the **LNB input 1** (**6**) of the device.

> Please also refer to the **antenna setting** section in the operating instructions.

It is not possible to receive analogue television!

> Connect the DiSEqC motor (level 1.2) to **LNB input 1** when operating on a **rotating system**.

8.3 Connection to a television set

> Connect the DIGIT ISIO S4 (**HDMI output 9**) and TV set (HDMI input) using an HDMI cable (included in the scope of delivery). Switch your TV set to the corresponding HDMI input to play back the picture from the DIGIT ISIO S4.

8.3.1 Sound output (electrical digital)

> External audio amplifiers or stereo systems with digital electrical audio input can be connected to the DIGIT ISIO S4 via the **S/PDIF output** connection (**electrical 11**).

8.4 USB connection

The **USB ports** on the back (**10**) of the DIGIT ISIO S4 are used to update the operating software and to transfer data.
You can also use the film, music and picture playback functions to access MPEG, MP3 or JPG files on the USB storage medium.

8.5 Network socket (RJ45)

You can use the **LAN connection (8) to** integrate the DIGIT ISIO S4 into your existing network by cable. This allows you, for example, to use the ISIO Internet functionality or control via the TechniSat CONNECT app. Please also refer to the **Network settings** section in these operating instructions.
Your device also has an optional WLAN function with an external WLAN dongle, e.g. the TechniSat ISIO USB dual-band WLAN adapter (item no. 0005/3633). Please also refer to the **WLAN settings** section in your operating instructions.

8.6 External infrared receiver

Connect the optional infrared receiver to the **EXT IR** socket (**12**) on the back of the DIGIT ISIO S4.

8.7 Mains connection

The DIGIT ISIO S4 may only be connected to the mains when the device is completely connected to the associated components. This prevents damage to the device or other components.

Lay the mains cable so that nobody can trip over it. Make sure that the mains cable or power supply unit is always easily accessible so that you can quickly disconnect the appliance from the power supply!

> After you have made all the connections as described in the previous points, connect the DIGIT ISIO S4 to a **230V~/50Hz** socket and to the **DC-IN** socket (**13**) using the enclosed mains adapter.

9 Basic operation

In the following points, you will first be introduced to the basic operation and recurring operating steps of the device. This should make it easier for you to read the quick guide, as there is no need to repeat the same steps in each individual section of the manual.

This quick guide only describes the most important functions that you use frequently for daily use and is intended to give you a quick and easy introduction to the operation of the DIGIT ISIO S4.

If a function or setting of the appliance requires a deviation from the basic operation, the deviating operation is described in detail at the appropriate point in the instructions.

The so-called "On Screen Display" is used in your appliance. This simplifies the operation of your device, as the buttons on the remote control can take over various functions and thus optimise their use.

number can be reduced.
In this On Screen Display (**OSD** for short), selected functions or settings are highlighted. You will also find a line at the bottom of the screen in which individual buttons on the remote control are displayed with their current functions. In these instructions, the **terms shown in the OSD** and
buttons to be pressed are separated from the rest of the text by the displayed print image.

The operating mode changes described in these instructions only apply to the **[Operating mode change > slow]** setting (default setting). Please also refer to the next chapter 9.1.

9.1 Changing the operating mode of the device

> If the device is in **standby** (operating mode change > slow), you can switch it on by pressing the **operating mode change/on/standby** button on the remote control or on the front of the device (**1).** The operating mode LED on the front of the appliance changes from red to blue.

> Press the **operating mode change/on/standby button to** switch the device to standby mode (operating mode change > slow) when it is in operation. The operating LED then lights up red.

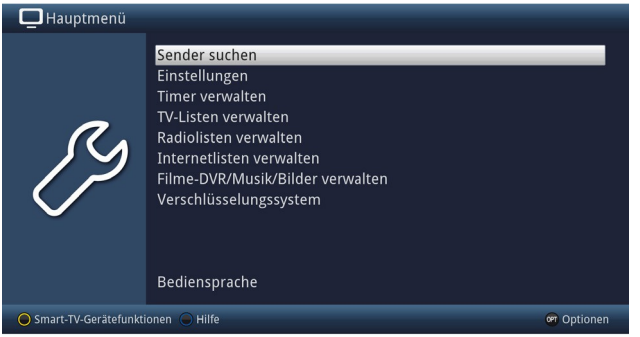
Please also observe the other instructions in the operating instructions for changing the operating mode of the appliance.

9.2 Calling up the main menu and navigating in menus

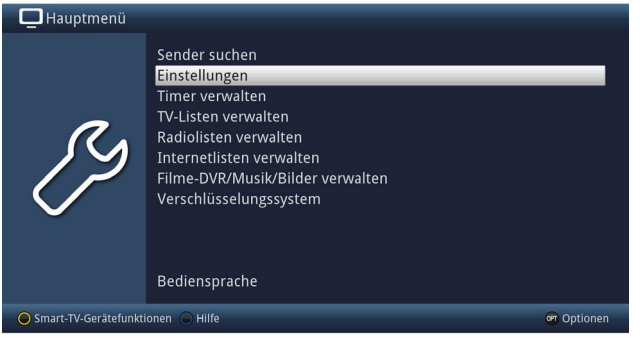
The following example shows how to **a c c e s s** the **main menu** and call up a submenu. The aim of the example is to call up the **Picture settings** menu.

> Switch on the DIGIT ISIO S4.

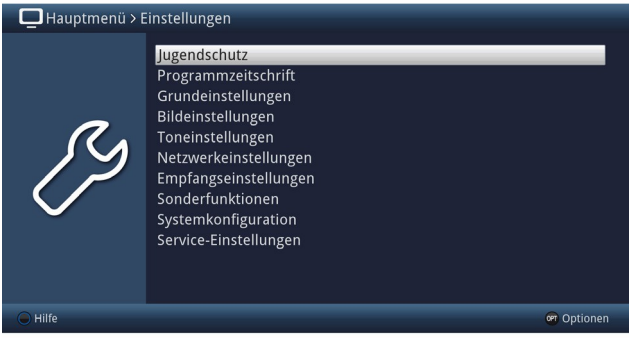
> After pressing the **Menu** button on the remote control, the **main menu** opens on the screen.



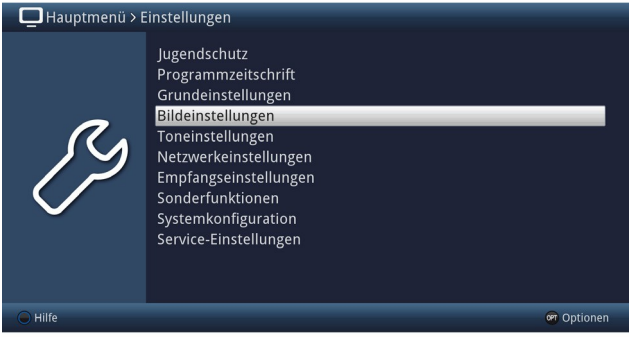
> Select the **Settings** menu item by moving the highlight (white bar) to this entry using the **up/down arrow buttons.**



> Press the **OK** button to open the **> Settings** submenu.



> Now use the **up/down arrow keys** to select the **Picture settings** entry.



> By then confirming with the **OK** button, the submenu **> Image settings** opened.



In the same way that you select an entry in a submenu to open it, you can also select the individual menu items to change the respective settings.

In some menus, the menu items must be highlighted by moving sideways. You can do this by pressing the **right/left arrow keys**.

Use the **up/down arrow buttons to** move the selection line by line and the **page up/down buttons to move it** up/down page by page.

In the top line of the menu, you will see the so-called menu path. This shows you which menu you are currently in and how you reached this menu. In the example described, this is **Main menu > Settings > Picture settings**. The menu path is also specified in the rest of the instructions and shows you how to access the respective menu with the settings described.

If the **blue function button** with **Help is** displayed in the bottom line of the screen, you can display a help page by pressing this button and hide it again by pressing it again.

In the main menu, you can view the **Smart TV device functions** and **accept (on)** or **reject (off)** the data protection settings by pressing the **yellow function button**.

9.3 Apply settings / exit menus

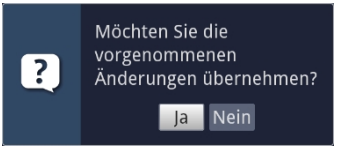
In some menus and functions, changes made must be applied manually in order to save them permanently.
If this is not done, the values valid before the change are automatically reset when the menu or function is exited.

If an **Apply** field or the **green function button** with **Apply is** displayed in the bottom line of the screen, this indicates that the changes made must be applied manually to save them.

> By selecting **Accept** using the **right/left arrow buttons** and confirming with **OK** or by pressing the **green Accept function button,** the changes are saved and you return to the next higher menu level.

Alternative:

> Press the **Back** button. You will now be asked whether the changes you have made should be accepted.



> Use the **right/left arrow buttons to** select **Yes** or **No** and confirm with **OK**. The changes are now saved or discarded according to your selection and you return to the next higher menu level.

Alternative:

> To exit the menu directly, press the **Menu** or **TV/ RADIO** button. In this case, the settings to be saved manually are reset.

If the green function button with Apply is not displayed in the bottom line of the screen, the changes are automatically saved when you exit the menu.

Pressing the **TV/RADIO** button always returns you immediately to normal TV operation without saving when you are in a menu.

9.4 Changing a setting

You can make settings using the **arrow selection**, the **selection list**, the **number input** and the **virtual keyboard.** The method by which a selected setting can be changed is determined by the device. You can recognise these by the symbols shown below:

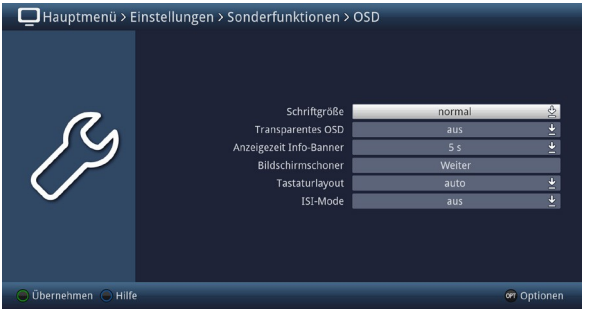
- Arrow selection (point 9.4.1)
  Arrows are displayed on the left or right edge of the marking.
- Selection list (point 9.4.2)
  symbol is displayed on the right-hand edge of the marking.
- ???? Entering numbers (point 9.4.3)
- Virtual keyboard (point 9.4.4)
  symbol is displayed on the right-hand edge of the marking.

9.4.1 Pf eilauswahl

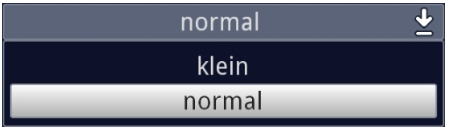
> If is displayed to the left and to the right of the set value, you can change it using the **left/right arrow buttons.**

9.4.2 Selection ahllist

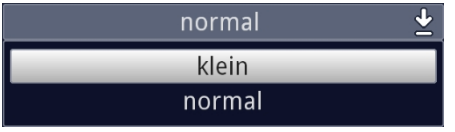
> If is displayed to the right of the set value, a value is changed via the selection list. As an example, the OSD screen size is changed from "normal" to "small".



> Move the highlight to the corresponding entry and press the **OK button to** open the selection list:



> Use the **up/down arrow buttons** to select the desired setting:



Use the **up/down arrow buttons to** move the highlighting line by line and the **page up/down buttons to move it** up/down page by page.

> By confirming with **OK**, the selection list is closed again and the selected setting is displayed in the menu.

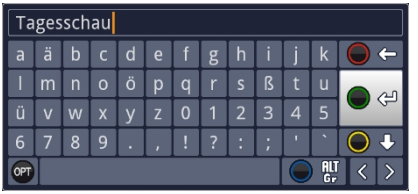
9.4.3 Item renewed

> Use the **number keys to** enter the desired new setting if question marks ???? or a numerical value 1234 is displayed within the marking.

9.4.4 Virtual tual keyboard

If is displayed to the right of the set value, a value is changed using the **virtual keyboard**. With this input method, you have three different keyboard options.
You can switch the keyboard display between the so-called QWERTY keyboard and the alphabetical keyboard, as well as use an SMS keyboard at any time.
The function of the QWERTY keyboard is identical to the alphabetic keyboard. They differ only 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 alphabetical order.



> By pressing the Option **OPT** button, you can switch to the QWERTY keyboard and back to the alphabetical keyboard.



You can now enter the desired term as described below:

Arrow keys:	Move the selection on the keys of the virtual keyboard.
OK:	The selected character is transferred to the term and added at the end or the selected function is executed.
/ **Yellow function key:**	The keyboard switches between upper/ lower case Lower case.

/ **Red function key:** Press/hold to delete the character in front of the blue Marking/total entry.

/ **Green function key:** The term entered is accepted. / **Blue function key:** The keyboard switches to the alternative characters. / **Arrows:** Moving the blue marking within the term.

The SMS keypad is operated using the **number keys** from the alphabetical and QWERTY keypad and can be used at any time. The colour keys therefore retain the functions described above.

> Press one of the **number buttons 0 - 9** to select the various letters, numbers, characters and symbols. After pressing a number key for the first time, the first letter of the corresponding character string is highlighted.

> Each time you press the same **number key,** the marking moves one field to the right. Press ok until the desired character is reached. After a brief moment, this is added to the term entered.

The letters, numbers, characters and symbols shown below are assigned to the various number keys.

0: . @ 0 , ! ? : ; ( ) \ / ' < >

1: - 1 + = # & * "

2: a b c 2 ä ą ă á â ć ç

3: d e f 3 ð ę é

4: g h i 4 ğ í ı î

5: j k l 5 ł ľ

6: m n o 6 ö ó ń ñ ň ő ø õ

7: p q r s 7 ß ś ş š ř

8: t u v 8 ü ú ť ţ ů ű

9: w x y z 9 ż ź ý ž

Once you have reached the desired field with the selection, you can start selecting the next character directly, as in this case the character is added directly to the term. If you want to continue directly with the selection of a character with the same number key, you can add the previously selected character to the term by pressing the arrow key on the right.

9.5 Option selection

In some menus and operating modes (e.g. TV mode, music/picture playback, etc.), you can call up additional functions and options using the option selection.

> Press the **Option** (**OPT**) button to open the option selection in the bottom right-hand corner of the screen. In this example, the option selection of the programme list is shown.



> Each time you press the **OPT** button again, the marking is moved one line further.

Some options are selected directly in this window. Some other options, for which there are several subordinate selection options, are located in option groups. If you select one of these option groups and press the **OK** button or the **left arrow key** (if there is an **arrow <** next to the entry), another window will automatically open to the left of it.



> Within the options group, you can use the **up/down arrow buttons to** to select one of the options sorted therein.

Use the **up/down arrow buttons to** move the selection line by line and the **page up/down buttons to move it** up/down page by page.

> Press the **OK button to** select the highlighted option and exit the option selection.

> If you do not want to select an option but want to exit the option selection without making any changes, press the **Option button** until it disappears.

10 Initial installation

After you have read through the safety instructions and connected the device as described in chapter 8, switch it on as described in chapter 9.

The **AutoInstall** installation wizard is started automatically when the device is commissioned for the first time. You can use the installation wizard to easily make the most important settings for the device.

The settings that can be made are explained in the respective installation script.

> In the start window of the installation wizard, you can cancel the initial installation by pressing the **red function button.** The device then starts with standard pre-programming.

In the following installation steps, you can accept the settings you have made by pressing the **OK** button and you will be taken to the next installation step.

Pressing the **Back** button takes you to the previous installation step, allowing you to correct incorrect entries at any time. **The initial installation procedure shown here is only an example.**

The exact procedure for the initial installation depends on the settings you have made. Therefore, please follow the instructions on the screen exactly.

Most of the settings in AutoInstall can also be changed at a later date via the menu.

Operating language

> When starting the installation wizard, the selection window for the **operating language** appears first.



> Use the **arrow buttons** to select the desired operating language.

The preferred audio language is automatically set according to this selection. You can also adjust these settings later via the menu.

> Press the **OK button to** accept the setting and proceed to the next step of the installation wizard.

Country setting

> Use the **arrow buttons to select** the country in which the device is operated.



The time is automatically set according to your selection and adjusted to summer/winter time. This setting is also used to automatically sort the programmes in the installation wizard and after a channel search.

> Press the **OK** button to accept the selection.

Smart TV device functions



> To be able to use the Internet-based functions of your device, the connection to the Internet must be active. Select **to** allow the connection to the Internet. You must also activate the individual functions to be able to use the full range of Internet-based TechniSat additional services on your device.

> Use the **right/left arrow keys** to switch the functions **on** or off.
switch off.

Select **Connect to the Internet > no** if you do not want to use the Internet or ISIO functionality. If you want to use Internet services, the device will inform you to allow the Internet connection.

You can also call up and change the connection to the Internet and the individual Internet-based TechniSat additional services, as well as the privacy policy, at any time at a later date via the **main menu > yellow function button.**

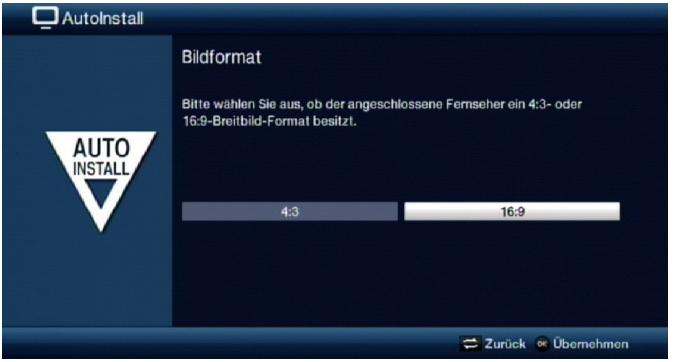
The functions described in this quick guide and in the operating instructions describe the situation when the connection to the Internet is activated and all Internet functions are switched on.

You can display the privacy policy by pressing the INFO button. Not all services listed in the privacy policy must be supported by the device.

> Press the **OK button** to accept the setting and move on to the next item.

Picture format

> Use the **right/left arrow keys to** set the picture format of the connected TV set.

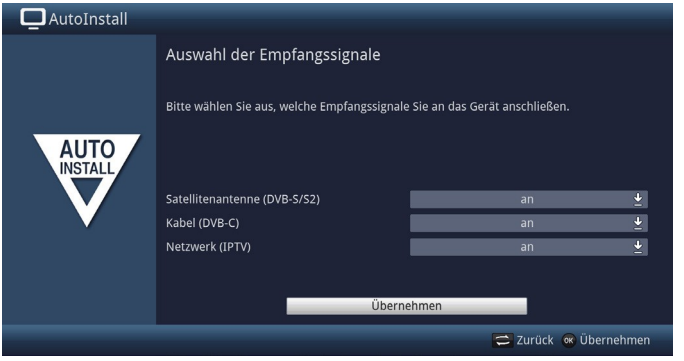


The picture format is automatically adapted to the connected TV set according to your selection.

> Press the **OK** button to accept the selection.

Selection of receive signals

Under this point of the installation wizard, select which reception types you would like to use.



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

Satellite antenna (DVB-S/S2) for digital satellite programmes. **Cable**

(DVB-C) for digital cable>IP programmes (Cable-to-IP). **Network**

(IPTV) for digital distribution stations.

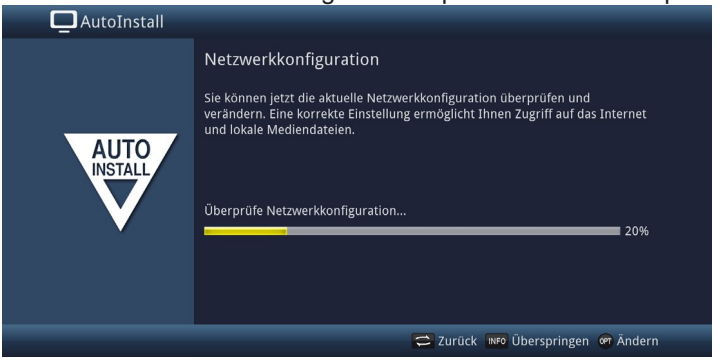
> Open the selection window by pressing the **OK** button, use the **up/down arrow buttons** to highlight the desired setting and close the window by pressing the **OK** button again.

> To go to the next installation step, use the **arrow buttons to select** the **Accept** field and confirm with the **OK** button.

The following steps depend on the choice of reception paths.

Network configuration

An automatic check of the network configuration is performed in this step.



> If you do not want to check the network configuration, press the **INFO** button to skip this step.

> If you want to check or change the network settings, press the **Options button**:



> Use the **up/down arrow buttons** to select whether you want to configure a LAN or WLAN (only with an external WLAN stick) network and press the **OK** button.

> Now make the network settings. You can find more information on the setting options in the operating instructions.

> Then press the **INFO** button to accept the settings. The network configuration check now starts again.

> Press **OK** to go to the next step.

IPTV provider

If you have activated the **IPTV** option when selecting the reception signals, you can configure a provider in this step.

If the DVB-IP source has been deactivated, the "Number of antenna signals" page appears directly on this page of the installation wizard.



> If you are using the service of an IPTV provider, use the arrow buttons and the OK button to select the desired setting.

> Select **Apply** and press the **OK button to apply** the settings.

Number of antenna signals (DVB-S/S2)

If you have activated digital satellite reception (DVB-S/S2) in the **Select reception signals** step, you can now select how many DVB-S/S2 antenna feed lines you have connected to the receiver.

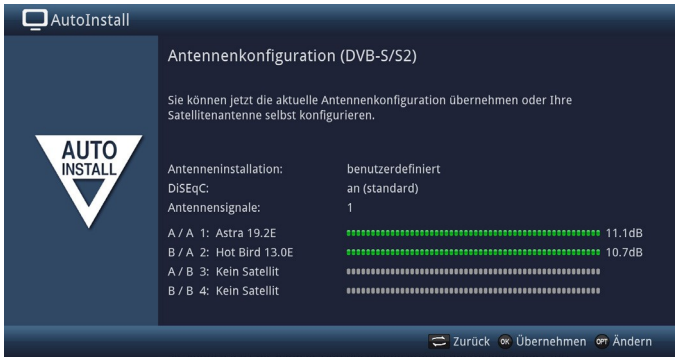


> Use the **right/left arrow buttons to select** whether you have connected **1** or **2** (twin mode) DVB-S/S2 antenna signals.

> Confirm with the **OK** button to accept the selection.

Antenna configuration (DVB-S/S2)

In this installation step, you can adjust the setting to the configuration of your satellite antenna.



> If you want to accept the default antenna setting, press the **OK** button.

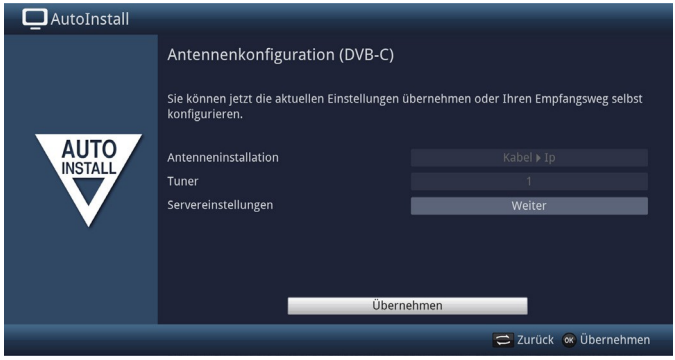
> If the configuration of your reception system does not correspond to the standard setting, press the **Options button.**

> Now make the antenna settings according to your reception system and then press the **Back button to return** to the overview of the antenna settings.
antenna configuration. Further information on this can also be found i n the operating instructions.

> Then confirm with the **OK button** to accept the settings.

Antenna configuration (DVB-C)

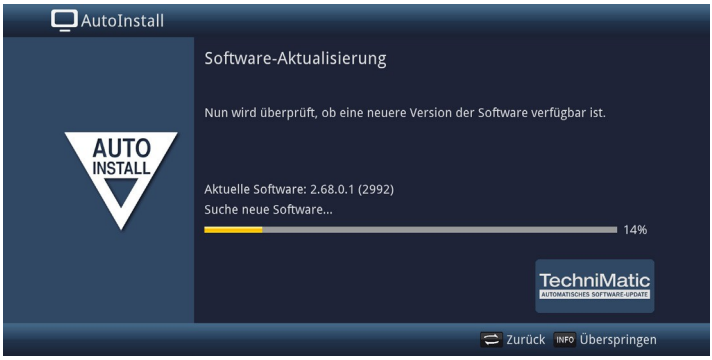
If you have activated digital cable>IP (DVB-C) reception in **the Select reception signals** step, you can now make the server settings.



You cannot receive DVB-C programmes directly with the DIGIT ISIO S4. This is only possible via a cable>IP server in the network.

SoŁware update

The DIGIT ISIO S4 now checks whether new software is available for the device.



> If you do not want to wait for a new software search, you can skip this step by pressing the **INFO** button.

If the search for new software was skipped, your device will carry out another test at the time set in the menu, provided you leave the function activated and the device is in standby mode at this time.

> If no newer device software is available, pressing the **OK** button will take you to the next step of the installation wizard.

> However, if new device software has been found, you can start the automatic software update by pressing the **OK** button.
For more information on updating the software, please refer to the Software update chapter in the operating instructions.

Channel search/ISIPRO

You have various options for searching for new channels or updating the channel list. You can either use the ISIPRO channel list function to download a new pre-programmed channel list for your device from the satellite or perform a channel search.



> To download an existing current programme list, use the **up/down arrow keys to** highlight the **ISIPRO - Programme list update** and start the process by pressing the **OK** button.

After updating the programme list, a channel search is automatically carried out via "All channels" on all other configured reception sources.

> To also perform a channel scan via satellite or if DVB-S has not been configured, use the **up/down arrow buttons to select** the **All channels** or **All unencrypted channels** field and then start the channel scan by pressing the **OK** button.



Under **All channels,** free-to-air and encrypted channels are searched for and under **All unencrypted channels** only free-to-air channels are searched for.

Regional programmes

Some broadcasters broadcast their programmes with different regional content. On this page, you can now specify which of these regional programmes you prefer. The selected regional programme is automatically set when you switch to the corresponding broadcaster.



> Use the **arrow buttons to select** the broadcaster for which you would like to set your preferred regional programme.

> Press the **OK button to open** the window with the regional programmes available for this broadcaster.

> Use the **up/down arrow buttons** to select the preferred regional programme.

> Close the window again by pressing the **OK** button.

> To apply the selected regional programmes, use the **arrow buttons to** select the **Apply** field.

> By confirming with the **OK button, you will be taken to the** next installation step.

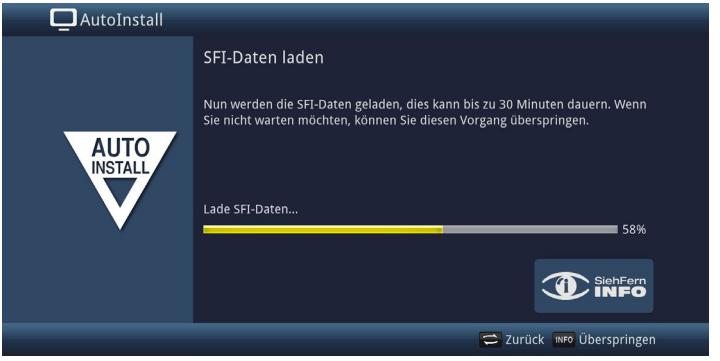
ISIO Internet list update

The device will now check whether a new list of ISIO Internet links is available (provided you have activated the item under Smart TV device configuration and have set up an Internet connection)

> If you do not wish to wait for a new Internet link list to be found and loaded, you can skip this step by pressing the **INFO** button or cancel it by pressing the **OK** button.

Load SFI data

The DIGIT ISIO S4 has an electronic programme guide SFI (SiehFern Info). The device must first download the SFI data from the satellite (or via an Internet connection if previously configured) so that the data from this electronic programme timer can be displayed.
To do this, your device automatically starts loading the SFI data after the channel search has been completed. This process takes up to 30 minutes (depending on the source of the data).



> If you do not want to wait for the SFI data to load, you can skip the process by pressing the **INFO** button.

If the SFI update has been skipped, your device will load to the menu under Menu > Settings > Programme timer > Update time automatically updates the SFI data, provided the function is activated and the device is also in standby mode at this time.

> You can also start the update manually at any time.

Product registration

By registering your product, you secure further benefits, e.g. an extended warranty, and help us to customise our products and service even better for you.

Please note that an Internet connection is required for this.

> Press the **OK** button to start product registration or **INFO** to skip it.

Product registration can also be started at a later time under Menu > Settings > Special functions.

Exiting the installation wizard

Congratulations! The initial setup of the DIGIT ISIO S4 is now complete.



Confirm the final message of the installation wizard by pressing the **OK** button. The DIGIT ISIO S4 is now set up and configured for daily use.
Every setting that you made during the initial setup can now also be adjusted at a later date, e.g. you can change the
You can adjust and sort the programme list according to your needs. For the full range of functions and the operation and settings, please refer to the separate **operating instructions, the** latest version of which can be found on the TechniSat website www.technisat.de in PDF format.

11 Operation

11.1 Switch on

> Switch on the DIGIT ISIO S4 by pressing the **operating mode change/on/standby** button on the device or on the remote control. The operating LED changes from red to blue.

11.2 Switch off

> Press the **operating mode change/on/standby** button on the appliance or on the remote control to switch the appliance off again.

> The appliance is now in standby mode and, if activated, the time is shown on the appliance display. The operation LED lights up red in standby mode.

The operating mode change can be changed from **slow** (default) to **fast** under **Menu > Settings > Basic settings > Operating mode change.** The **[fast]** setting increases the power consumption, but the device reproduces the picture and sound more quickly.

The standby clock can be activated or deactivated in **Menu > Settings > Basic settings > Standby clock.**

If the time is not displayed despite the standby clock being activated, it must still be read in by the device. To do this, switch on the device and receive e.g. ZDF for approx. 30 seconds to automatically read in the time.

11.3 Programme selection

11.3.1 Using the programme up/down buttons

> Use the **up/down arrow buttons** or the **Programme+/-** buttons on the remote control to switch the programmes up or down by one programme position at a time.

11.3.2 Using the number keys

> Use the numeric keys to enter the desired programme number.
Example:

1	for programme position **1**
1, then **4**	for programme position **14**
2, then **3**, then **4**	for programme position **234**
1, then **5**, then **6**, then **7**	for programme position **1567**

When entering multi-digit programme numbers, you have approx. 3 seconds after pressing a button to complete the entry.

If you only want to enter a one, two or three-digit number, you can speed up the switching process by pressing and holding the last digit or by pressing the **OK** button.

11.3.3 With the help of the Navigator (programme list)

> **Press the OK** button during normal operation (no display of the main menu/OSD).

The **programme list navigator** now appears. Only TV programmes appear in TV mode and only radio programmes in radio mode. The currently selected programme is highlighted.



> Additional information on the current programme can be obtained by pressing the **INFO** button.

> The reception source of the programme is indicated by a corresponding pictogram to the right of the programme.

11.3.4 Select programme

> You can now use the **up/down arrow buttons**, the **page up/down** buttons and the **buttons to** select the desired programme.

> Pressing the **OK** button sets and plays the selected programme and hides the programme list again.

11.3.5 Select list

To make it easier to find programmes, your device has various programme lists. You can select one of your favourite lists (TV list - TV list 16) and sort or filter the channels according to various criteria.

> Press the **OK** button. The active programme list appears.

> You can now open the desired programme list using the **option selection** (**OPT** button).



Alternative:

> With the programme list open, use the **right/left arrow buttons** to select the list to be displayed. The current list is displayed at the top of the OSD.



You can configure your own TV or radio lists under **Menu > Manage TV lists** or **Manage radio lists. For** more information, see the operating instructions.

11.3.6 Return to the last set programme

> Press the **Back** button on the remote control to return to the last set programme.

> If you press the button again, the previously viewed programme is set again.

11.3.7 TV/radio switching

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

The device switches to the last radio or TV programme you listened to.

Please also note the OSD radio/music setting in your Operating instructions.

11.3.8 Selection of a regional programme

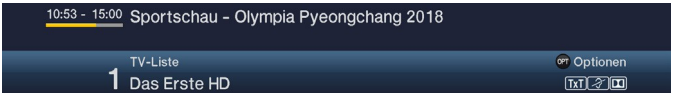
You selected the preferred regional channels for some programmes during the initial installation. If you now select one of these programmes, additional information will appear in the info box indicating that further regional programmes are available for selection.

> You can use the **option selection to** choose between the various regional programmes under **Region.**

The selected regional channel is now stored as the preferred regional channel of this broadcaster.

11.4 Inf obox

After each programme change, an info box appears on the screen for the duration set under Menu> Settings> Special functions> OSD. It can also be called up manually by pressing the **INFO** button on the remote control.



This info box displays the programme position and the programme name of the set programme, the title of the current programme and the currently active programme list.

The progress bar is coloured yellow according to the elapsed transmission time of the current programme. If the beginning of the
If the progress bar was coloured red, the programme started too early and if the end was coloured red, the current programme was overrun.

Other programme properties are also displayed:
For example:

- for teletext
- for 4:3 programmes
- for encrypted programmes for
- Dolby Audio broadcasts for
- subtitles
- for HbbTV applications

The current time is also displayed in the top right-hand corner of the screen.

11.4.1 Show clock and programme info

You can use this function to view programme information for the programme that is switched on.

> By pressing the **INFO** button, the information specified in point 11.4 appears again for the duration set under Menu > Settings > Special functions > OSD > Info banner display time.

11.5 Further programme information

If transmitted, you can receive further programme information on the programme switched on.

> Press the **INFO** button twice to enlarge the info window and display extended information for the currently set programme.

> Longer info texts can be moved line by line using the **up/down arrow keys** or scrolled page by page using the **page up/down** keys.

> If a programme is being broadcast, pressing the **INFO** button again will display the next programme.

> Press the **INFO button** once more to hide the display again.

11.6 Volume control

You have the option of controlling the volume of the DIGIT ISIO S4. This makes it easier to use, as you can control all the important functions.
with a remote control and do not have to use the remote control of your TV set.

> Adjust the volume of the DIGIT ISIO S4 using the rocker button **Volume +** louder and using the rocker button **Volume -** quieter.

During volume control, the currently set volume is shown at the top of the screen and on the display.



After switching on, the sound is played at the volume set under Menu > Settings > Sound settings > Switch-on volume.

11.6.1 Sound muting

> Pressing the **Sound on/off button** switches the sound off and pressing this button again switches it on again.

During the entire time the sound is muted, the  symbol is displayed at the top right of the screen.

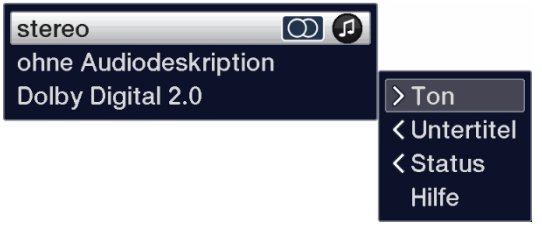
11.7 Selection of a different language / sound option

For some programmes, you have the option of selecting a different sound option (Dolby Audio, Stereo or audio channel 1 or audio channel 2) or a different language.

If different sound options or languages are available for a programme, this will be indicated by the note **Sound** together with the currently selected sound option or language at the bottom of the extended programme information.

If the set programme is also broadcast in Dolby Audio sound, the Dolby symbol also appears in the info box

> Using the **option selection,** you can select the desired language/sound option under the **Sound** option.



Alternatively, you can also press the **TONE** button (audio channel) on the remote control to go straight to the sound selection.

11.8 Teletext

Your device can display teletext information from programmes that send teletext data. This is indicated by the TXT symbol in the info box.

> Press the **Teletext** (**TXT)** button to switch on the teletext of the currently selected programme with its overview page.

> Use the **number keys 0** to **9** to enter the page number of the desired teletext page in 3 digits.

> Use the coloured **function keys** to call up the pages displayed in the corresponding fields.

> To exit the teletext, press the **Back** button.

11.9 Subtitle

If a programme is broadcast with subtitles, the subtitle symbol appears in the info box.

> You can select the desired subtitle to be displayed under **Subtitles** using the **option selection.**

The device can display both teletext subtitles and DVB subtitles.
The display of the two subtitle types can be different.

Please note that the subtitles can only be displayed if the broadcaster actually sends the corresponding data. If the broadcaster only transmits the subtitle ID but no data, the subtitles cannot be displayed.

If you want your device to automatically play subtitled programmes with subtitles, set your device to automatic subtitle playback. You can find more information on this in the operating instructions.

11.10 Format switching / zoom

> By pressing the **Zoom/Format** button, you can switch through the various predefined formats (original, optimum, optimum 16:9, full zoom and stretch) and call up the Custom setting, in which you can customise the image to suit your requirements.

> To switch off the format changeover, press the **Back** button.

11.11 Sleep timer

The sleep timer allows you to set the switch-off time of your appliance.

> You can activate the sleep timer (15 minutes to 120 minutes) or switch it off by pressing the **sleep timer** button several times.

After the set time has elapsed, the DIGIT ISIO S4 automatically switches to standby mode.

Thanks to new Europe-wide energy-saving regulations, the appliance automatically switches to standby if it has not been operated for 3 hours. This function can be configured in the menu > Settings > Basic settings > Auto standby.

11.12 Programme guide SFI

The DIGIT ISIO S4 has the electronic programme guide SiehFern Info. This allows you to display the programme information of individual or several digital programmes on the screen and quickly obtain an overview of the programmes currently being broadcast or the programmes of the day or the following days.

Please also note the corresponding points in the operating instructions.

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

The electronic programme timer appears with the set start category.
The **Overview** start category is selected in the factory setting.



1: **Display time** > Specifies the time of the programmes to be displayed.

Timeline > graphical representation of the display time using progress bars.

2: Programme name with corresponding programme position within the active programme list.

3: Progress bar or start/stop time of the displayed programme.

4: Current date and time.

5: Broadcasts of the programmes shown.

> You can access the various SFI views and functions via the **option selection** and via the assigned **function button** shown at the bottom of the screen.

> You can use the **right/left arrow buttons**, the **fast-forward/rewind** buttons, the **up/down arrow buttons** and the **page up/down** buttons to switch the display time forwards/backwards or move the marker.

The progress bar in the timeline is also moved forwards or backwards according to the display time.

> You can use the **yellow function button to** switch directly to the display of the current or subsequent programmes and the set prime times.

You can set your preferred prime times in **Menu > Settings > Programme times.**

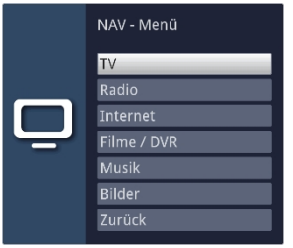
> If further information on the selected programme is available, you can call up and exit this information by pressing the **INFO** button.

> Press the **OK button to** switch directly to the selected programme.

> You can exit the electronic programme timer again by pressing the **SFI** button.

11.13 Function selection

> Press the **NAV** button (Navigator/Function selection) to open the navigation menu (**NAV menu**) and select the desired function.



> Use the **up/down arrow keys to select** the function you want to call up.

TV: TV mode: Playback of TV programmes.

Radio: Radio mode: Playback of radio programmes/ Internet radio.

Internet: ISIO Internet operation with Internet link list or browser.

Films/DVR: Films/DVR Navigator: Call up the video files stored on a device connected to the USB socket.

Music: Music navigator: Call up the music tracks stored on a device connected to the USB socket.

Images: Image navigator: Call up the images stored on a device connected to the USB socket.

> Confirm with **OK** to select the highlighted function.

11.14 Internet

Your device provides you with access to the Internet via an existing broadband connection. To do this, the DIGIT ISIO S4 must be connected to the home network/DSL router either via LAN or WLAN and you must agree to the use of the Internet connection and the data protection regulations.

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

Please also note the Internet, LAN/WLAN settings in the operating instructions, as well as the instructions and displays on the screen. To be able to use the WLAN functionality
a WLAN USB dongle is required (not included in the scope of delivery), e.g. the TechniSat ISIO USB dual-band WLAN adapter Art. No. 0005/3633.

A pre-programmed Internet list makes it easier to call up some interesting websites. This list can be supplemented and changed according to your own requirements.

A minimum bandwidth of 3 Mbit/s must be available to ensure a smooth display of moving images. If the
bandwidth below this, this can lead to faults (jerks, still images) that are not due to a malfunction of the device.

Please note that in "Free browsing" mode, functional restrictions may occur for technical reasons. For example, web pages may be slow to l o a d , not displayed correctly or only partially displayed.

It is also possible that functions that you are used to from a browser on your computer may work differently or not be available.

Furthermore, it is not possible to install external browser extensions or plug-ins or to download any downloads to the device. The use of various streaming services may be restricted or not possible due to the copy protection measures used there.

11.14.1 Calling up Internet pages with the help of the Internet list

> Press the **WWW** button to switch to Internet mode and open the Internet list

The Internet list navigator now appears. The last Internet link called up is highlighted and is already loaded in the background.



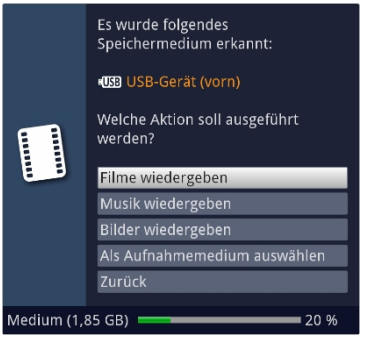
> You can now use the **up/down arrow keys**, the **page up/down** keys and the number keys to select the desired Internet link.

> Press the **OK** button to open the selected Internet link.

The time it takes for the selected page to be displayed depends on the page selected and the bandwidth of your DSL connection.

11.15 Storage medium selection

If a storage medium is inserted during TV or radio operation, a selection with possible operating options appears:



> Select **Play films to** switch to film playback for this storage medium.

> Select **Play music** to switch to music playback for this storage medium.

> Select **Play pictures to** switch to picture playback for this storage medium.

> Select **Select as recording medium** if this new storage medium is to be used as the recording medium.

Please note that this selection overwrites the setting under **Menu > Movies-DVR/ MUSIC/Manage images > Recording media settings** or can be changed here at any time.

> Press **Back to** exit the selection and return to the last view without changing any settings.

12 DVR operation

The DVR function (DVR = Digital Video Recorder) means that you no longer need an external recording device (e.g. video or DVD recorder) to record a programme, as this function allows you to record on a connected mass storage device.
The recording capacity depends on the data volume of the broadcast material and the size of the storage medium.

During recording, additional audio channels, teletext data and subtitles are recorded in addition to the actual audio and video data, if broadcast. You can call these up during subsequent playback.

Only DVR recordings of programmes from the DVB-S /S2 source can be made.

Please also refer to the points DVR operation and Manage recording media in the operating instructions.

Please also note that the recording and subsequent playback of DVR recordings of encrypted channels can lead to the following problems restrictions may occur on the transmitter side, meaning that not all recording/playback functions of the device can be used. TechniSat has no influence on these restrictions and they cannot be circumvented by the device.

12.1 DVR recording

Before you start a DVR recording, specify which data storage device is to be used as the recording medium under **Menu > Movies- DVR/MUSIC/Manage images > Recording media settings.**

The following recording modes are available for DVR recording:

1. Instant recording
Select this recording type to record the current programme immediately at the touch of a button.

2. Timer-controlled recording
This function will set your device for the selected programme.
switched on and off to record them on the recording medium in your absence. The timer can be set either manually or automatically with the
SFI function can be programmed.

3. TimeshiŁ recording
Time-shifted television is possible with timeshift recording. This means that while the recording is still playing, you can play it back with a time delay.

The recording of programmes can be blocked by the programme provider. In this case, you will receive a message on the screen informing you that the programme cannot be recorded for licensing reasons.

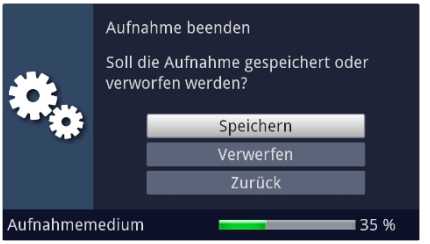
12.1.1 Instant recording

> Switch on the programme on which the programme you want to record is broadcast.

> Press the **Record** button to record the current programme.

12.1.1.1 End recording manually

> If you press the **Stop** button, you will be asked whether you want to save or discard the recording.



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

12.1.2 Timer recordings

You can use the DVR timer to automatically record programmes to a plugged-in USB recording medium in your absence. Your device also has a channel change timer. In terms of programming, the only difference between these timer types is the specification of the corresponding timer type. You can programme timers using the SFI, for example.

Make sure that the device has read in the time. This is displayed in the info box during operation. If this is not the case, leave
switch on your device for approx. 30 seconds, e.g. ZDF, so that the time is read in.

12.1.3 TimeshiŁ function

The timeshift function utilises the possibility of simultaneous playback and recording. This makes time-shifted television possible. You can watch the beginning of the recording and skip passages that have already been recorded (e.g. adverts). At the same time
the live signal of the programme continues to be recorded.

12.1.4 Start TimeshiŁ function

> Press the **Pause/Play** button. Playback of the programme is paused and recording of the current programme is started at the same time. While the recording starts in the background, a still image with a message appears in the top right-hand corner of the screen and in the info box on the screen.

> To resume playback of the programme from this point, press the **Pause/Play** button again.

You will now see the programme with a time delay to the live broadcast (timeshift), while the programme continues to be recorded in the background.

> You can use the **play**, **pause** and fast-forward functions and the JogshuGle to move to a specific point in a **recording in progress.**

> Press the **Info button to** display the info box with a progress bar showing the playback and recording time.

12.2 DVR playback

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 the TV or radio recordings available on a mass storage device.



Please also observe the instructions and settings for global and user-dependent parental controls in your operating instructions.

Use the **Info** button to show the programme information and press it again to hide it.

> Start playback of a recording by selecting it and then confirming with **OK.**

12.2.1 From TV operation

> In TV mode, press the **Stop/DVR** button to switch directly to the DVR Navigator.

or

> **Press the OK** button to open the programme list navigator and press the **Stop/DVR** button to switch to the DVR navigator.

or

> Select **Films/DVR** in the **function selection**.

> Now call up the **My recordings** folder on the recording medium you have set up.

12.2.2 Pause / freeze frame

> To pause playback of a recording (still image), press the **Pause/Play** button during playback.

> Press the **Pause/Play** button again to resume playback from the same point.

12.2.3 Fast forward and rewind

To move to a specific point in a recording, your DVR has **fast forward** and **rewind** functions.

> During playback, press the **fast-forward** button or the **Rewind**. The display shows "**Fast forward ▶▶**" or "**Rewind ◀◀**". The recording is now played back at 4x speed in the selected direction.

> If you press the **fast-forward** or **rewind button** again, the speed increases to 16x. The display shows "**Fast forward ▶▶▶▶**" or "**Rewind ◀◀◀**".

> If you press the **fast-forward** or **rewind button** again, the search speed increases to 64 times. The display shows "**Fast forward ▶▶▶▶**" or "**Rewind ◀◀◀◀**".

> By pressing the **Fast forward** or **Rewind** button again, you can skip forwards or backwards in 10-minute increments.

> Once you have reached the desired point in the recording, press the **Pause/Play** button to return to normal playback mode.

12.2.4 End playback

> Press the **Stop button** to end playback. Playback is ended and your device returns to normal operation. The device "remembers" the point in the recording at which you stopped playback. If you restart playback of this recording, it will automatically continue from the point at which you stopped it.

13 SoŁware update via USB interface

In addition to the automatic software update via the Internet, you also have the option of updating the device's software via the USB interface.

To be able to carry out the software update via the USB interface, you must first download the latest software from the Technisat homepage (www.technisat.de).

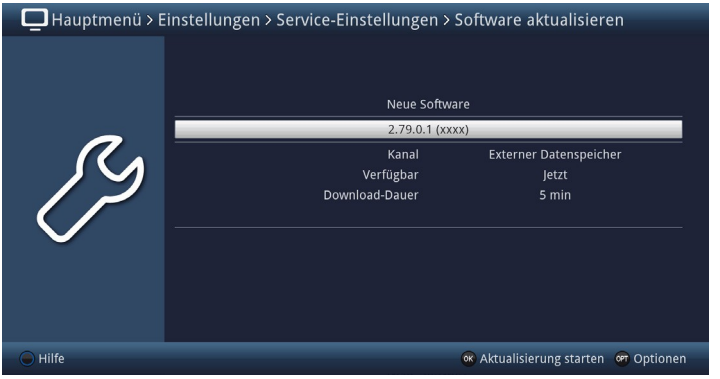
The update can be carried out using standard USB flash drives formatted in FAT32 format.

> Now copy the Sokware file to the root directory of the USB flash drive.

There must not be more than one Sokware file on the USB stick.

> Now plug the USB flash drive into one of the USB ports.

> Open the **menu > Settings > Service settings > Update SoŁware**. Select the entry **New SoŁware > Search** and press the **OK** button on the remote control.



> If new software is found, press the **OK** button to start the update.

The device will now restart and the update process will be displayed in the following steps.

- The message "**Load SoŁware from data memory**" appears
- A progress bar then appears indicating that the software is loading.
- After the software has been loaded to 100%, another progress bar appears, one of which shows the progress of the individual
The one is the update record and the other is the overall update record.

The display shows the progress of loading the software and the individual update steps.

> Once the update is complete, the device restarts and the TV picture appears again. Under **Menu > Settings > System configuration > SoŁware,** you can check whether the new Sokware version has been installed or which Sokware version is currently installed.

The update must not be interrupted at any time by removing the USB stick or disconnecting the power supply, as otherwise the device may malfunction.

14 Technical data / range of functions

Station memory

Favourites list TV/radio	16 lists each(15 freely configurable)
Maximum number of programmes	9999

Memory for Internet links

Internet lists16	Favourite lists (max. 1999 links possible in each list) Total of 1999 links possible in total list

Teletext 1.5

Teletext	filtering according to ETS 300 706 standard Sok videotext1000 pages memory

HbbTV

Version	2.0.2

DVR function

	DVR recording up to 2x SD/HD
DVR recording sources	DVB-S/S2
Storage mediaUSB storage	, shared network drives
Storage media formatting	FAT32, TSD, NTFS, EXT3, HFS+

Media functions

Image playback	BMP, GIF (not animated), JPG/JPEG, PNG, TIF/TIFF
Music playbackAAC	, AC3, EC3, FLAC, M4A, MP2, MP3, OGG/OGA, WAV, WMA, AIF/AIFF, MKA
Video playback	ASF, AVI, M2TS/MTS, MKV, MOV, MPG/MPEG, MP4/M4V, TS/TS4, VOB, WMV, DAT
Playlists	PLS, M3U, PLP
Playback sourcesUSB storage	, shared network drive (PC or NAS via CIFS), UPnP server

DVB-S/S2 tuner

	Input frequency range950 ... 2150 MHz
	Input level range- 65 dBm ... - 25 dBm
DVB-S/S2 tuner	input2x F socket
Loop-through yes	, switchable, input 1 to input 2
Input	impedance75 Ohm
AFC capture range	+/- 5 MHz
Demodulation	DVB-S:QPSK DVB-S2: 8PSK, QPSK
	Symbol rate2 ... 45 MS/s, MCPC / SCPC
Fault protection	Viterbi, Reed-Solomon, LDPC, BCH

LNB power supply	
LNB current max.	400 mA (short-circuit proof)
LNB voltage	vertical< 14 V without load, > 11.5 V at 400 mA
LNB voltage	horizontal< 19 V without load, > 17.2 V at 400 mA
DiSEqC	
DiSEqC level 1	.0 / 1.2 / SatCR and SatCR2 (EN50494/ EN50607)
Connection - HDMI output	
Connector	HDMI type A
HDCP	1.4, 2.2
HDMI colour space selectable	auto, RGB, YCbCr 4:2:2, YCbCr 4:4:4
HDMI formats	Native, Auto
Deep colour	10 bit, 12 bit (depending on theTV set)
Audio	
Streams	1
PCM channelsmax	. 2 channels
Sampling rates	32.0, 44.1, 48 kHz
Connection - RJ45	
	TypeEthernet 10/100/1000
Connection - internal WLAN	Type IEEE 802.11a,b,g,n, MIMO 2x2
Frequencies2	.4 GHz Frequency range: 2400 MHz - 2483 MHz, maximum transmission power: 100 mW 5 GHz frequency range 1/2: 5150 MHz - 5350 MHz, maximum transmission power: 100 mW Frequency range 2/2: 5470 MHz - 5725 MHz, maximum transmission power: 100 mW
Connection - USB port	
	Type2x USB 2.0
Power consumption	max. 1 A / 5 V (at each of the 2 USB sockets)
Connection - digital audio output	
	TypeCinch socket S/PDIF electrical
Common Interface	
Type1	x Common Interface slot for CI/ CI+ modules 1.4
Power consumption	max. 0.3 A / 5 V

Video decoding

Video compression	VP9: 1920x1088@120fps, profile 0/2, colours 10bit, 50Mbit/s H.264 / AVC / MPEG4 part 10: 1920x1088@120fps, profile Main, level 4.2, 100Mbit/s MPEG2: 1920x1088@120fps, profile Main, level Low/Main/High

Audio decoding

Audio compression	MPEG-1 & MPEG-2 Layer I, II, III (MP3) AAC, HE-AAC (AAC+) Dolby Digital, Dolby Digital Plus WMA (Pro), FLAC, Vorbis

Remote control

System	RC-5

Dimensions / Weight

Dimensions (WxDxH):	220 mm x 175 mm x 42 mm
Weight:	approx. 632 g

Power supply

Power supply	unitExternal switching power supply unit
Input voltage	100-240 V AC, 50/60 Hz Output voltage12 V DC, 3 A

Power consumption (after factory settings and without external loads)

Standby:	
Standby clock off0	.3 W*
Standby clock on0	.4 W*

Standby with activated network standby mode:

	4,2 W*

TV operation:

without LNB supply	7,2 W
with 1x400mA LNB current at 18V	17,1 W

*) does not apply for the duration of the SFI/Sokware update

Technical data of the supplied power supply unit

Manufacturer	TechniSat Digital GmbH, Julius-Saxler-Straße 3, D-54550 Daun
Model identifier	YD-BG1200300EU-6A
Input voltage	AC 230 V
Input alternating current frequency	50 Hz
Output voltage	DC 12.0 V
Output current	3,0 A
Output power	36,0 W
Consistent efficiency in operation	88,6 %
Efficiency at low load (10%)	84,7 %
Power consumption at no load	0,07 W

TechniSat is constantly endeavouring to reduce the power consumption with the help of software optimisations and the corresponding updates. As a result, the values shown here may differ from the actual power consumption of your device. The currently valid power consumption values can be found on our website www.technisat.de.

15 Troubleshooting aids

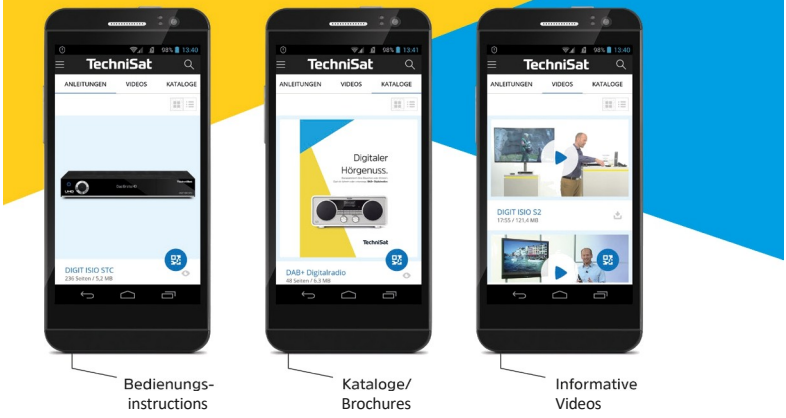
Error	Possible cause	Remedy
Remote control does not work	Incorrect remote control code set	Set the correct remote control code
	BaGeries are empty	Exchange BaGeries
Various programmes are not displayed in the programme list	Wrong programme list selected	Select another programme list
Sound OK, no TV picture	Radio mode called up and radio background image is switched off	Check setting
Image not completely visible or distorted	Image format not set correctly	Check image format
	Incorrect image display / zoom selected	Check image display / zoom in the menu
		Check zoom setting
No picture, no sound, display does not light up	No mains voltage	Check power connection
No picture via HDMI	Set HDMI Resolution is not supported by the TV set	Correct HDMI resolution
No sound or incorrect sound can be heard	Dolby Digital is active or the wrong audio language is selected	Check setting in the menu
		Check Dolby Digital / language selection
No reception for programmes that were previously OK	Mirror misaligned or defective	Check mirror
	Programme is transmitted on another transponder	Carry out a search
	Programme is no longer transmitted	none

In the picture, temporary square blocks. The device occasionally switches to still image, no sound. Screen occasionally black with the message "no signal".	Heavy rain or snow	Remove snow from mirrors
	Mirror misaligned	Re-align mirror
	Mirror is too small at the receiving location	Use a larger mirror
	There is an obstacle between the mirror and the satellite (e.g. a tree)	Fitting mirrors with a "clear view"
No picture, no sound, display lights up	Short circuit in the LNB feed line	Switch off device, eliminate short circuit, switch on device again
	Defective or missing cable connection	Check all cable connections
	Defective LNB	Replace LNB
	Wrong outdoor unit set on the receiver	Correct setting
Antenna cannot be rotated	Motor not DiSEqC 1.2 compatible	Use a suitable motor
Texts in the Infobox or SFIplus Detailinfo, for example, can be difficult to read at some distance	Schrik size is set to "small"	Correct the size of the chart
Device cannot connect to the network	Incorrect network settings	Check network settings
	Network cable not connected correctly	Check network connection
	Network connection not authorised	Allow network connection under Special functions > Network.
DVR recording no longer possible	Selected storage medium is full	Delete existing recording(s)
		Plug in and set another storage medium.
Deletion of DVR recordings is not possible	File system of the storage medium is damaged	Check storage medium

DVR recordings are not displayed	Selected storage medium is not plugged in.	Plug in the set storage medium
		Correct the setting of the storage medium
Device cannot be operated, cannot be switched on or off	Defective data stream --> Device blocked	Press and hold the On/Standby button on the remote control for approx. 5 seconds.
		Mains plug for Pull for approx. 5 seconds, then switch the device on again
		Perform a flash reset: **Attention!** All personal settings are lost in the process and the Device starts with factory settings > Remove the mains plug from the device > Press and hold the standby and arrow buttons on the device at the same time. > Press and hold the standby and arrow buttons on the mains plug and plug it in again > Press and hold the buttons for approx. 5 seconds and then release both buttons. FLA5" appears on the display.
USB device is not recognised	USB device is formatted in the wrong file system	Format USB device in the FAT32 file system
Device switches off automatically after a certain time	Auto standby function is switched on	Check Auto Standby setting and switch off if necessary.

Everything about your TechniSat product

in einer App.



Bedienungs-instructions

Kataloge/ Brochures

Informative Videos

I'4With the INFODESK app from TechniSat, you can view operating instructions, catalogues, brochures and informative product videos quickly and easily on your smartphone or tablet.

Scan the INFODESK QR code and download the app free of charge for iOS or Android.

TechniSat INFODESK

JETZT BEI Google Play

Laden im App Store

www.technisat.de/infodesk

P* ''' '' ' ß 'a o'D'

TechniSat





2 Jahre Garantie bei Produktregistrierung



How to secure your guarantee!

In addition to the statutory warranty, Technisat grants you
The following warranty / warranty extension options are available:

2-year guarantee

Register your product by 4 weeks after purchase online at www.technisat.de/garantie. The warranty period (device guarantee) is 2 years from the date of purchase from your specialist dealer or sales partner or in the TechniShop.

Extend your warranty period!

e saR n
*oJ h' e /h ee of the product ctre-

If you have consented to the use of your personal data for advertising and marketing purposes of*echni Sat Digital GmbH during registration (www.technisat.de/garantie), the warranty period (device warranty) is extended by a further year and amounts to 3 years

Guarantee tickets

Techni Sat offers the option of a parts catalogue for selected products. warranty ticl'et from a specialised dealer or inJ Technik hop (www.technishoo.de). After expiry of the two-year (or extended three-year) appliance warranty, you will receive an extended parts warranty, depending on the ticket term.

You will find detailed information on the following pages.

TechniSat

TechniSat Digital GmbH

Guarantee conditions

Dear customer,

Our products are subject to strict quality control. If your TechniSat product still does not work properly, we very much regret this and ask you to contact your specialist dealer or sales partner or our service hotline listed below.

In addition to the statutory warranty, we offer you a warranty on all specially labelled TechniSat devices in accordance with the following provisions, unless we have expressly excluded certain devices from our warranty promise (e.g. B-goods devices or special items). Your statutory rights are not **restricted** by this.

1. The warranty period (device warranty) is 2 years from the date of purchase from the specialist dealer, sales partner or TechniShop when the product is registered.

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

3. gIf you have purchased an additional parts warranty (parts warranty ticket) from a specialist dealer, sales partner or in the TechniShop and registered it during product registration, you will receive an extended partsg aran tie on the followingg device parts after the two-year (or extended three-year) device warranty has expired, depending on the ticket term: all electronic components and assemblies, excluding the panel incl. inverter board, housing and remote control.

4. The appliance and parts warranty is valid in the European Union and Switzerland.

5. During the warranty period, appliances that are defective due to material or manufacturing faults will be repaired or replaced at our discretion. Replaced devices or parts of devices become our property. The warranty services do not extend the warranty period, nor do they initiate a new warranty.

6. The warranty does not cover compensation for damage or expenses for data loss occurring during the repair (e.g. channel lists or recordings on hard discs). Please make a data backup before returning the device.

7. Warranty claims must be made immediately after becoming aware of the defect within the warranty period.

8. The guarantee only applies to the original purchaser of the appliance and is not transferable to third parties (e.g. through private resale).

9. **To assert the guarantee, the following** steps required:

(1) You have registered your device online on the product registration page no later than 4 weeks after purchase to receive the TechniSat guarantee. You can find the product registration at www.technisat.de/garantie

{1a) Extension options for the two-year device warranty'__You have extended the device warranty by a further year by consenting to the use of your personal data for advertising purposes on the product registration page and/or

Information on the technical terms and conditions can be found at www.technisat.de/garantie

TechniSat Digital GmbH

Guarantee conditions

or have purchased a parts warranty by purchasing and registering the parts warranty ticket on the product registration page.

(2) To make a warranty claim and check the device, first contact the specialist dealer or sales partner from whom you purchased the device. They will coordinate and initiate further warranty processing with TechniSat.

(3) For devices purchased from the Techni Shop, please contact our technical service hotline on 03925/92201800 to claim the warranty and clarify the defect.

(4) If you have been advised by our Service Hotline staff to send the device to our TechniSat Service Centre, please use our free shipping ticket provided there via the Returns section at **www.technishop.de** and send your device to us.

- enclosing the proof of purchase with date of purchase and serial number
- including all accessories (e.g. mains cable, remote control (but without e.g. smartcards and CI modules, which are not included in the scope of delivery)),
- enclosing the separately purchased parts warranty ticket, if applicable,
- with a precise description of the fault and
- in the original packaging,

to the service address given below.

(5) If you have the appliance sent to us via your specialist dealer or sales partner after consulting our service hotline, they will send the defective appliance to the service address below free of charge with their own service report and proof of purchase (copy of the invoice or receipt and any parts warranty ticket purchased separately).

(6) Warranty claims are excluded in the event of damage caused by

- abusive or improper handling,
- Environmental influences (humidity, heat, overvoltage, dust, etc.),
- Failure to observe the safety precautions applicable to the appliance,
- Failure to observe the operating instructions,
- Use of force (e.g. shlag, s h o c k , F-al l),
- Interventions that have not been carried out by our authorised service address or by a TechniSat dealer,
- unauthorised repair attempts,
- Send in packaging that is not safe for transport.

(7) In the event of a warranty claim, you will receive a repaired or as-new, identical appliance. The return costs will be borne by us.

(8) Defects or damage to the device that are not (or no longer) covered by the warranty will be repaired by us atg at no extra costg . For a customised offer, please contact our service hotline. In this case, the shipping costs are at your expense.

The TechniSat service address is:
TechniSat Teledigital GmbH | Service Centre | Nordstr. 4| 39418 Sta8furt |TeJ.: 03925 - 9220 1800