

Operating instructions

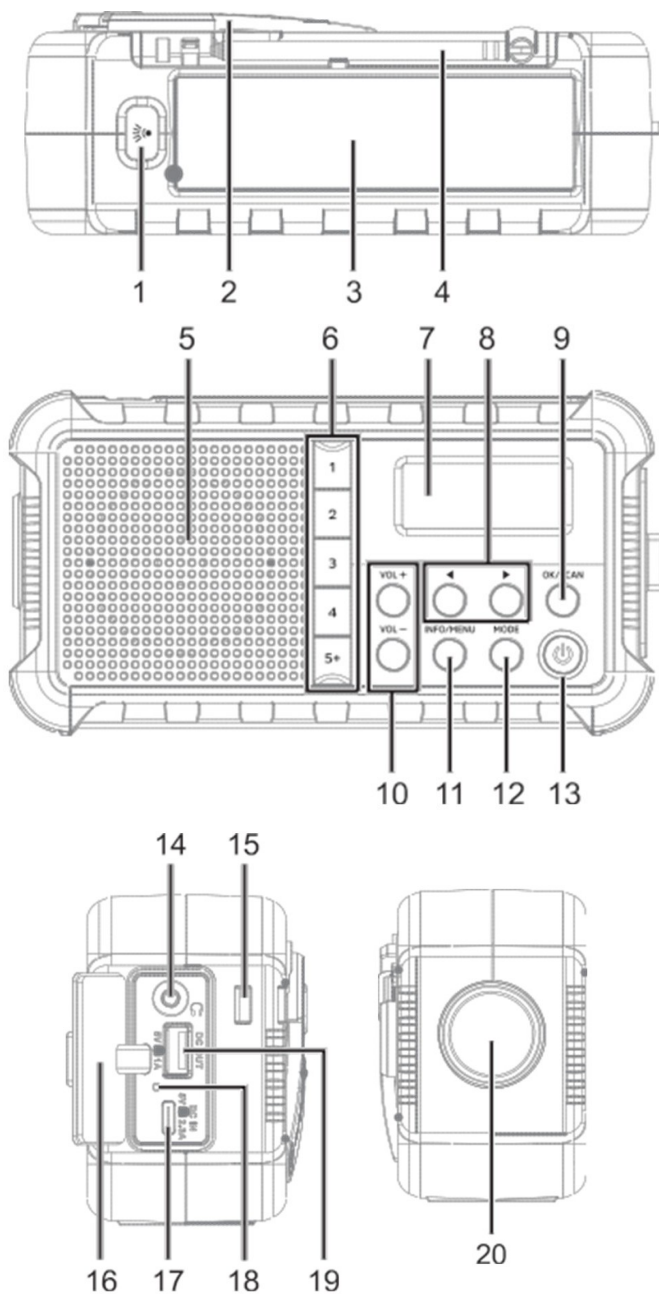
TECHNIRADIO SOLAR 2

Portable DAB+/UKW solar radio



TechniSat

1 Illustrations



1.1 Description of the

| | | |
|----|---|---|
| 1 | Torch | Dimmed/bright/off |
| 2 | Hand crank | Charging the battery |
| 3 | Solar panel | Charging the battery |
| 4 | Telescopic antenna | |
| 5 | Loudspeaker | |
| 6 | Direct selection buttons 1...4, 5+ (favourites memory) | |
| 7 | Display | |
| 8 | ▶ | Press briefly in DAB+ mode: Next station. In FM mode: Increase frequency by 0.05Mhz. Press and hold in FM mode: Station search. In the menu: Navigate through the menu options. |
| | ◀ | Press briefly in DAB+ mode: Previous station. Press briefly in FM mode: Decrease frequency by 0.05Mhz. Press briefly in the menu: Navigate through the menu options. Press and hold in FM mode: Reverse search. |
| 9 | OK/SCAN | Confirm selection/option (in the menu), Automatic station search (DAB+, FM) |
| 10 | VOL+ | Increase volume |
| | VOL- | Decrease volume |
| 11 | INFO/MENU | Press briefly: Call up status information. Press and hold: Call up menu. Press briefly in the menu: Back step, exit menu. |
| 12 | MODE | Press several times: Source selection DAB+, FM. |
| 13 | Switch on/off | Press briefly: Switch on, Press briefly: Switch off |
| 14 | Headphone connection 3.5mm stereo jack | |
| 15 | Attachment for hand strap | |
| 16 | Water protection cap | |
| 17 | DC-IN 5V USB-C charging connection | |
| 18 | Charging LED | |
| 19 | USB output 5 V, 1 A | |
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3 Safety instructions

3.1 Characters and symbols used



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 appliance.



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/equipment do not belong in household waste, but must be disposed of properly in accordance with Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE). At the end of its life, please take this device to the designated public collection points for disposal. BaGeries must be removed before disposing of the device and disposed of separately from the device.



Observe all notes and safety instructions in these operating instructions. Keep the operating instructions in a safe place for future reference. Pass these operating instructions on to the buyer when selling the appliance.



Direct current symbol. This device is operated with direct current and/or converts alternating current into direct current.

32 Intended use

The device is designed for the reception and playback of radio programmes via DAB+ and FM. The device may only be operated with the accessories supplied (e.g. power supply unit, remote control, cable, aerial, etc.). A

Any other use of these accessories is not permitted. The appliance is designed for private use and is not suitable for commercial purposes. Any other use is considered improper use!

33 The target group of these operating instructions

The operating instructions are intended for any person who sets up, operates, cleans or disposes of the appliance.

34 Safe handling of the TECHNIRADIO SOLAR 2

Please observe the following instructions to minimise safety risks, avoid damage to the appliance and contribute to environmental protection.

Please read all safety instructions carefully and keep them for future reference.

Always follow all warnings and instructions in these operating instructions and on the back of the appliance.



WARNING!

Never open the device or the power supply unit!

Touching live parts is life-threatening!



Observe all the following instructions to use the appliance as intended and to prevent appliance defects and personal injury.

- Do not repair the appliance yourself. Repairs may only be carried out by trained specialists. Please contact our customer service centres.
- The device may only be operated in the specified ambient conditions.
- Do not expose the appliance to dripping or splashing water. If water gets into the appliance, disconnect it from the power supply and contact the service centre
- Do not expose the appliance to heat sources that heat the appliance in addition to normal use.
- In the event of a conspicuous appliance defect, odour or smoke development, significant malfunctions or damage to the housing, contact the service department immediately.
- The appliance may only be operated with the mains voltage printed on the rating plate. Never attempt to operate the appliance with a different voltage.
- If the appliance is damaged, it must not be put into operation.

- Do not operate the appliance near bathtubs, showers, swimming pools or running/splashing water. There is a risk of electric shock and/or device defects.
- Foreign objects, e.g. needles, coins, etc., must not fall into the interior of the device. Do not touch the connection contacts with metal objects or your fingers. This may result in short circuits.
- 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. Never allow children to use this appliance unsupervised.
- Keep films and small parts away from children. Choking hazard!
- Modifications to the appliance are prohibited.

Safety instructions in connection with rechargeable batteries



WARNING!

The appliance is equipped with a modern, powerful and all The device is equipped with a rechargeable battery that fulfils the safety requirements. Due to the higher hazard potential of modern rechargeable batteries, please ensure that you handle the device and the rechargeable battery with care and observe the following safety instructions.

- If possible, charge your device in a place with a smoke or fire alarm.
- Ensure that there are no flammable materials or objects in the immediate vicinity when charging.
- Do not operate the appliance outdoors, in damp rooms or in places where very high temperatures are to be expected.
- Do not expose the device to heat sources that heat the device in addition to normal use. The appliance may only be operated in the ambient conditions specified.

341 Legal information



Hereby, TechniSat declares that the radio equipment type TECHNIRADIO SOLAR 2 is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address:

hGp://konf.tsat.de/?ID=24689



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TechniPark

Julius-Saxler-Straße 3

D-54550 Daun/Eifel

www.technisat.de



342 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.



Please note!

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 Digital GmbH
Service Centre
Nordstr. 4a
39418 Staßfurt

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4 Setting up the appliance

- > Place the appliance on a firm, secure surface. Ensure good ventilation.



Attention!

- > Do not place the appliance on soft surfaces such as carpets, blankets or near curtains and wall hangings. The ventilation openings could be covered. This may interrupt the necessary air circulation. This could possibly lead to an appliance fire.
- > Do not place the appliance near heat sources such as radiators. Avoid direct sunlight and locations with an unusually high level of dust.
- > Please note that the appliance feet may leave coloured marks on certain furniture surfaces. Use protection between your furniture and the appliance.
- > Keep the TECHNIRADIO SOLAR 2 away from devices that generate strong magnetic fields.

- > Do not place any heavy objects on the appliance.
- > If you move the appliance from a cold to a warm environment, moisture may condense inside the appliance. In this case, wait about an hour before operating the appliance.
- > Lay the USB cable so that nobody can trip over it.
- > Make sure that the USB cable is always easily accessible so that you can quickly disconnect the device from the power supply!
- > In the event of faults or smoke and odours coming from the housing, pull the mains plug out of the socket immediately!
- > Excessive volume, especially for headphones, can lead to hearing damage.
- > To extend the battery life, place the device with the solar panel in the sun and make sure it is in direct sunlight.

5 Description of the TECHNIRADIO SOLAR 2

5.1 The scope of delivery

Please check that the scope of delivery is complete before commissioning: 1x
 TECHNIRADIO SOLAR 2
 1x USB-C charging cable
 1x operating instructions
 1x hand strap

5.2 The special features of the TECHNIRADIO SOLAR 2

The TECHNIRADIO SOLAR 2 consists of a DAB+/UKW receiver with the following functions:

- You can store up to 10 DAB+ and 10 FM stations.
- The radio receives on the frequencies FM 87.5-108 MHz (analogue) and DAB+ 174.9-239.2 MHz (digital).
- Internal battery that can be charged via any 5V USB port.
- Battery life can be extended using the built-in solar panel or the crank handle.
- 5V output for charging external devices.
- Torch function.

5.3 Preparing the TECHNIRADIO SOLAR 2 for operation

5.3.1 Align telescopic antenna

The number and quality of the stations to be received depends on the reception conditions at the installation site. Excellent reception can be achieved with the telescopic aerial.

- > Pull out the telescopic aerial lengthways.



The exact alignment of the telescopic antenna is important, especially in the fringe areas of DAB+ reception. On the Internet, for example, you can find "www.dabplus.de" the location of the nearest transmitter most quickly

to track down.



Start the first search outdoors or at a window in the direction of the transmitter mast.



In poor weather conditions, DAB+ reception may only be possible to a limited extent.



Do not touch the telescopic aerial while playing a station. This can lead to impaired reception and audio dropouts.

5.3.2 Charge battery

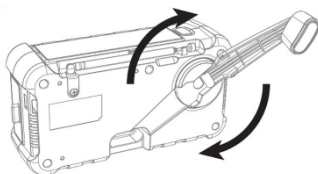
- > Connect the supplied USB-C charging cable to the **DC-IN 5V** socket (**17**) on the side, behind the water protection flap of the TECHNIRADIO SOLAR 2.
- > Connect the USB port to a commercially available 5V, 2.3A USB power supply unit or a USB socket on a PC (min. 1 A charging current).
- > Depending on the USB connection, the first charge of the battery takes a different amount of time. During the charging process, the **charging LED (18)** lights up red and goes out when the process is complete.



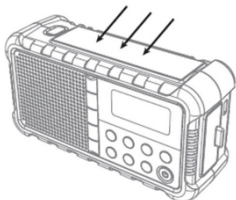
The charge status is shown on the display using a battery symbol.

-The battery life can be extended or the battery charged using the integrated solar panel or the hand crank.

- > Fold in the telescopic aerial when using the hand crank. If the crank speed is sufficient, the **charging LED (18)** lights up red.



- > When using the solar panel, pay attention to direct sunlight. If the angle of incidence is optimal and there is enough sunlight, the **charging LED (18)** lights up blue. It goes out if there is insufficient sunlight.



533 Headphones use

hearing protectors!

Do not listen to the radio at high volume via headphones. This can lead to permanent hearing damage. Before using headphones, set the device volume to the minimum level.



Only use headphones with a 3.5 millimetre stereo jack plug.

- > Insert the plug of the headphones into the **headphone socket (14)** of the device. The sound is now reproduced exclusively via the headphones, the loudspeaker is muted.
- > If you want to listen via the speakers again, unplug the headset from the headset socket on the device.

54 General device functions

541 Switch on the device

- > To ensure good DAB+/FM (FM) reception, unplug the antenna completely. Please also refer to point 5.3.1.
- > First prepare the TECHNIRADIO SOLAR 2 as described in section 5.3.1 and 5.3.2 for operation.
- > Press the **Power** button **(13)** to switch on the TECHNIRADIO SOLAR 2.

542 Switch off the device

- > Press the **Power** button **(13)** again to switch the TECHNIRADIO SOLAR 2 off or back to standby mode.

543 Source selection

- > Use the **MODE** button **(12)** to switch between the sources **DAB+** (digital radio) and **FM (VHF)** can be switched.

544 Setting the volume

- > Adjust the volume by pressing the **VOL+/VOL-** buttons **(10)** on the device.
 - **VOL+** - louder
 - **VOL-** - quieter.

The set volume is shown on the display using a bar chart. Please also note point 5.3.3 on operation with connected headphones.

545 Display

Depending on the selected function or option, the following information is shown on the **display**:

546 Call up display screens

> Briefly press the **INFO/MENU** button (**11**) several times. You have the option of displaying the following information:

In **DAB+** mode (selected function is marked with an "**"):

[LauText] (scrolling text with additional information that the broadcasters may provide), **[Signal strength]**, **[Programme type]**, **[Ensemble]**, **[Frequency]**, **[Signal quality]**, **[Bit rate and codec]**, **[Time]** and **[Date]**.

In FM/UKW **mode** (selected function is marked with an "*"):

[Radio text] (if transmitted), **[Programme type]** (PTY), **[Ps]** (programme service name or station name or frequency), [Audio information], **[Time]** and **[Date]**.

6 Menu operation

You can access all functions and settings of the TECHNIRADIO SOLAR 2 via the menu using the **INFO/MENU** buttons,

◀, ▶ and **OK**. The menu is divided into submenus and, depending on the selected Source different menu items or functions that can be activated.

> To open the menu, simply press and hold the **INFO/MENU button** briefly until the first menu item of the selected source is displayed. To switch to submenus, first select the submenu by pressing the
◀, ▶ select a submenu and then press the **OK button** to open the submenu. An asterisk (*) marks the current selection. To go back one step, briefly press the **INFO/MENU** button.



Close the menu: Press the **INFO/MENU** button briefly several times (depending on which submenu you are in) until the current radio programme is displayed again.



Settings are only saved by pressing the **OK button**. If the **INFO/MENU** button is pressed briefly during this time, the settings are not accepted and saved.



Functions and buttons to be pressed are described in these operating instructions

in

feU is shown. Display indications in **[square brackets]**.



Some texts (e.g. menu entries, station information) may be too long to be shown on the display. After a short time, these will then be displayed as a loud text.

7 The DAB+ (digital radio) function



7.1 What is DAB+

DAB+ is a new digital format that allows you to listen to crystal-clear sound without noise. Unlike conventional analogue radio stations, DAB+ broadcasts several stations on the same frequency. This is called an ensemble or multiplex. An ensemble is made up of the radio station and several service components or data services, which are broadcast individually by the radio stations.



7.2 DAB+ (digital radio) reception

- > Press the **MODE** button until **[DAB+]** appears on the display.

7.2.1 Carry out a complete search

-  The automatic scan Full scan scans all DAB+ bands III channels and thus finds all stations broadcast in the reception area.
-  Once the search is complete, the first station is played in alphanumeric order.
- > To perform a complete search, open the menu by pressing and holding the **INFO/MENU** button and select the **[Complete search]** menu item using **◀, ▶**. Press **OK**.


Alternative:

- > Briefly press and hold the **OK/SCAN** button.
- > The display shows **[Search...]**.
-  During the search, a progress bar and the number of channels found are displayed.
-  If no station is found, check the telescopic antenna and change the installation location if necessary (point 5.3.1).

7.2.2 Select transmitter

- > Press the **◀, ▶** buttons to call up the station list and switch between the available stations. Press **OK** to play the selected station.

7.2.3 Store DAB+ stations in a memory location

-  The programme memory can store up to 10 stations in the DAB+ range.
- > First select the desired channel (see point 7.2.2).
- > To save this station to a memory location, **press and hold** the **5+** button during playback until **[Save favourite]** appears in the display. Then use **◀, ▶** to select a favourite memory (1...10).

Press **OK** to save.

- > Repeat this process to save additional channels. Alternatively:
- > Press and hold one of the **direct dialling buttons 1...4** to select a station directly. to save.

7.24 Recalling DAB+ stations from a memory location

- > To call up a station that you have previously stored in the favourite memory, **briefly** press the **5+** button and select a favourite memory (1...10) with ◀, ▶. Press **OK** to play the station.



If no station is stored in the selected programme position, **[(empty)]** appears in the display.

7.25 Overwriting/deleting a programme position memory

- > Simply save a new channel to a favourite memory location as described.



All memory locations are deleted when the factory settings are called up.

7.26 Set manually

This menu item is used to check the reception channels and can be used to align the aerial. Furthermore, transmitters can be added manually.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[Manual setting]** entry and press **OK**.
- > Use ◀, ▶ to select a channel (5A to 13F) and press **OK**. The signal strength is now shown on the display. If a DAB+ signal is received on a channel -transmitter is received, the ensemble name of the transmitter is displayed. The antenna can now be aligned for maximum signal strength.



Transmitters whose signal strength is below the required minimum signal strength do not transmit a sufficient signal. If necessary, align the telescopic antenna as described in section 5.3.1.



If there are stations on the set frequency or channel that have not yet been saved in the station list, these will now also be saved.

7.27 Volume control (DRC)

The DRC menu item is used to set the compression rate, which compensates for dynamic fluctuations and the associated volume variations.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[DRC]** entry.
- > Press **OK**.

- > Use ◀, ▶ to select the compression rate:

| | |
|-----------------|----------------------------|
| DRC high | -High compression |
| DRC low | -Low compression |
| DRC off | -compression switched off. |
- > Confirm by pressing the **OK** button.

7.2.8 Delete inactive transmitters

This menu item is used to remove old and no longer receivable channels from the channel list.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[Delete inactive channels]** entry.
- > Press **OK**.

You will be asked **[Delete?]** whether the inactive transmitters should be deleted.

- > Use ◀, ▶ to select the **[Yes]** entry and confirm by pressing the **OK button**.

8 FM (VHF) operation

8.1 Switch on FM radio mode

- > Press the **Mode** button to switch to FM mode.
- > **FM]** appears on the display.



When switching on for the first time, the frequency is set to 87.5 MHz.



If you have already set or saved a station, the radio will play the last station set.



The station name appears for RDS stations.



To improve reception, align the telescopic antenna (point 5.3.1).

8.2 FM (VHF) reception with RDS information

RDS is a procedure for transmitting additional information about FM stations. Broadcasters with RDS transmit their station name or programme type, for example. This is shown on the display. The device can display the RDS information **RT** (radio text), **PS** (station name), **PTY** (programme type).

8.3 Automatic station search

- > Press and hold the ◀, ▶ or **OK/SCAN button** to automatically search for the next station with sufficient signal.



If an FM station with a sufficiently strong signal is found, the search stops and the station is played. If an RDS station is received, the station name and, if applicable, the radio text will appear.



To set weaker transmitters, please use the manual setting.

Channel search.

8.4 Manual station search

- > Press the ◀, ▶ buttons several times to set the desired station or frequency.



The display shows the frequency in steps of 0.05 MHz. ▶ Increases the transmission frequency, ◀ decreases it.

8.5 Search setting

The sensitivity of the search run can be set in this menu item.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[Search setting]** entry. Press **OK**.
- > Select whether the search should only stop for strong channels **[Only strong channels]** or for all channels (including weak channels) **[All channels]**.



With the **All channels** setting, the automatic search stops at every available channel. This can result in weak stations being played back with noise.

- > Use ◀, ▶ to select an option and press the **OK** button to save the setting.

8.6 Store FM stations in a memory location



The programme memory can store up to 10 stations in the FM/UKW range.

- > First set the desired transmission frequency (points 8.3, 8.4)
- > To save this station to a memory location, **press and hold** the **5+** button during playback until **[Save favourite]** appears in the display. Then use ◀, ▶ to select a favourite memory (1...10). Press **OK** to save.
- > Repeat this process to save additional channels. Alternatively:
- > Press and hold one of the **direct dialling buttons 1...4** to select a station directly. to save.

8.7 Recalling FM stations from a memory location

- > To call up a station that you have previously stored in the favourite memory, **briefly** press the **5+** button and select a favourite memory (1...10) with ◀, ▶. Press **OK** to play the station.



If no station is stored in the selected programme position, **[(empty)]** appears in the display.

8.8 Overwriting/deleting a programme position memory

- > Simply save a new channel to the respective memory location as described.



All memory locations are deleted when the factory settings are called up.

9 System settings and other functions

All settings described in this section apply equally to all sources.

9.1 Sleep timer

The sleep timer switches the TECHNIRADIO SOLAR 2 **OFF** automatically after the set time.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.
- > Use ◀, ▶ to select the **[Sleep timer]** entry and press **OK**.
- > Use ◀, ▶ to select a time period after which the TECHNIRADIO SOLAR 2 should switch off. You can choose between **Off**, **15**, **30**, **45**, **60** and **90** minutes.
- > Press **OK** to accept the setting.



A "**Z**" appears on the display when the sleep timer is active. If you want to switch off an active sleep timer, select **Menu > System > Sleep timer > Off**.

9.2 Time and date settings

9.2.1 Set time/date manually

Depending on the time update setting (point 9.2.2), you must set the time and date manually.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.
- > Use ◀, ▶ to select the **[Time]** entry and press **OK**.
- > Then use ◀, ▶ to select the **[Set time/date]** entry and press **OK**.
- > The first digits (hours) of the time will flash and can be changed with ◀, ▶ be amended.
 - ▶ increases the value, ◀ decreases the value.
 - > Press **OK** to accept the setting.
- > The next digits (minutes) of the time then flash and can also be changed as described above.
- > Press **OK** after each additional setting to skip to the next setting.

- > Proceed as described above to set the date.
- > After all settings have been made and the last **OK** is pressed, **[Time Saved]** appears on the display.

922 Time update

In this submenu, you can specify whether the time should be updated automatically via DAB+ or FM (FM) or whether you want to enter it manually (point 9.2.1).

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.
- > Use ◀, ▶ to select the **[Time]** entry and press **OK**.
- > Select the **[Time update]** entry and press **OK**.
- > Use ◀, ▶ to select the following options:

[All sources] (update via DAB+ and FM)

[Update from DAB] (update only via DAB+)

[Update from FM] (update only via FM)

[No update] (time/date must be entered manually, see Point 9.2.1).

- > Press **OK** to accept the setting.

923 Setting the time format

In the **Set 12/24 hours** submenu, you can activate the 12 or 24 hour format.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.
- > Use ◀, ▶ to select the **[Time]** entry and press **OK**.
- > Select the entry **[Set 12/24 hours]** and press **OK**.
- > Select one of the following options:

[Set 24 hours]

[Set 12 hours]

- > Press **OK** to accept.

924 Set date format

In the **Set date format** submenu, you can specify the format for displaying the date.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **Select**.
- > Use ◀, ▶ to select the **[Time]** entry and press **OK**.
- > Select the entry **[Set date format]** and press **OK**.

- > Use ◀, ▶ to select one of the following options:

[DD-MM-YYYY] (day, month, year)

[MM-DD-YYYY] (month, day, year)

- > Press **OK** to accept.

9.3 Display brightness

You can set the display brightness for both operation and standby.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.

- > Use ◀, ▶ to select the **[Lighting]** entry and press **OK**.

- > Use ◀, ▶ to select one of the following functions:

[Operation] controls the brightness in the normal, switched-on state. You can choose between the brightness levels **[High]**, **[Medium]**, **[Low]** and **[Off]**. Use ◀, ▶ to select a brightness level and press **OK** to save.

[Standby] controls the brightness in standby mode. You can choose between the brightness levels **[High]**, **[Medium]**, **[Low]** and **[Off]**. Select with ◀, ▶ select a brightness level and press **OK** to save.

[Auto-Dim] automatically dims the display to the **Low** brightness value. Press **OK** to save a setting.

9.4 Language

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.

- > Use ◀, ▶ to select the **[Language]** entry and press **OK**.

- > Use ◀, ▶ to select one of the available languages and confirm your selection by pressing **OK**.

9.5 Factory setting

If you change the location of the device, e.g. if you move house, you may no longer be able to receive the saved channels. In this case, you can delete all saved channels by resetting to **factory settings and** then start a new channel search.

- > Connect the TECHNIRADIO SOLAR 2 to the USB power supply.
- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.
- > Use ◀, ▶ to select the **[Factory settings]** entry and press **OK**.
- > Use ◀, ▶ to select the **[Yes]** entry to perform the factory setting and press **OK**.



All previously saved channels and settings are deleted. The device is now in the factory settings.

- > The display shows **[Restart...]** and the device starts with the language selection **[Language]**. Use ◀, ▶ to select one of the available languages and confirm your selection by pressing **OK**. The device then automatically performs a complete search in DAB+ mode.
During the scan, the display information shows the progress and the number of digital radio stations found. Once the station search is complete, the first DAB+ programme is played.

9.6 SW version

Under SW version you can query the currently installed SW version.

- > Press and hold the **INFO/MENU** button and use ◀, ▶ to select the **[System]** entry. Press **OK**.
- > Use ◀, ▶ to select the **[SW version]** entry.
- > Press **OK**. The current SW version is displayed.

10 Cleaning



To avoid the risk of electric shock, do not clean the appliance with a wet cloth or under running water. Switch off the appliance before cleaning!



Do not use scouring pads, scouring powder or solvents such as alcohol or petrol.



Do not use any of the following substances: Salt water, insecticide ammonia, chlorinated or acidic solvents (ammonia).



Clean the housing with a soft cloth moistened with water. Do not use spirits, thinners, etc.; they could damage the surface of the device.



Only clean the display with a soft cotton cloth. If necessary, use a cotton cloth with small amounts of non-alkaline, diluted water- or alcohol-based soapy water.



Rub the cotton cloth gently over the surface.

11 Eliminate errors

If the device does not work as intended, check it using the following table.

| Symptom | Possible cause/remedy |
|---------------------------------|--|
| Device cannot be switched on. | The device is not supplied with power. Connect the power supply correctly or charge the battery. |
| No sound can be heard. | Increase the volume. |
| The display does not switch on. | Disconnect the appliance from the mains and reapply power. Charge the battery. |
| Reception via DAB+/FM is poor. | Pull out the antenna completely. Change the position of the antenna or the TECHNIRADIO SOLAR 2. |
| Device cannot be operated. | Disconnect the appliance from the mains and reapply power. |

If you are still unable to rectify the fault after the checks described, please contact the technical hotline.

12 Technical data

Technical changes and errors excepted.

| | |
|-------------------------------|---|
| Reception paths | DAB+, FM |
| Power supply | DC input: 5 V, 2.3 A DC output: 5 V, 1 A |
| Power consumption | Max. 11.5 W Standby: < 1 W |
| Rechargeable battery (Li-Ion) | 3.7 V, 3000 mAh Charging time: approx. 4 h Running time: Approx. 25 h (at 50% volume) |
| Autostandby | DAB+ mode after 15 minutes if no station is playing. |
| Frequencies | FM: 87.5-108 MHz DAB+: Band III 174-240 MHz |
| Audio output power | 1 W RMS (mono) |
| Frequency response | 340 - 20,000 Hz |
| Protective housing | IPX4 (splash water protected) |
| Weight | 510 g |
| Operating conditions | 0~40 °C |
| Dimensions (WxHxD) mm | 170 x 90 x 55 |

13 Disposal instructions

The packaging of your appliance consists exclusively of recyclable materials. Please sort them accordingly and return them to the "Dual System". This product is labelled in accordance with Directive 2012/19/EU on waste electrical and electronic equipment (WEEE) and must not be disposed of with normal household waste at the end of its service life, but must be handed in at a collection point for the recycling of electrical and electronic equipment.

The  symbol on the product, the instructions for use or the packaging indicates this.

The materials are recyclable according to their labelling. By reusing, material recycling or other forms of recycling old appliances, you are making an important contribution to protecting our environment.



Please ask your local authority for the responsible disposal centre. Ensure that empty batteries and electronic scrap are not disposed of with household waste, but disposed of properly (take back by specialist retailers, hazardous waste).



Important note on the disposal of batteries/rechargeable batteries:

Batteries/rechargeable batteries may contain toxic substances that are harmful to the environment and must be disposed of separately from the device. For the chemical composition, please refer to the technical data or the imprint on the battery. It is therefore essential that you dispose of batteries in accordance with the applicable legal regulations. Never dispose of batteries in normal household waste. You can dispose of used batteries free of charge at your specialist dealer or at special disposal centres.

For products with a battery compartment, you can remove the battery directly. If batteries are permanently installed, do not under any circumstances attempt to remove them yourself. In this case, contact the appropriate specialist personnel, e.g. a waste disposal company.

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

Chemical composition of the battery

| | | |
|------------------------------|---|---------|
| Lithium Cobalt Oxide | LiCoO ₂ | 41,85% |
| Graphite | C ₂₄ X ₁₂ | 15 % |
| Carbon black | C | 0,79 % |
| Poly(vinylidene fluoride) | C ₂ H ₂ F ₂ | 1,70 % |
| Lithium hexafluorophosphates | LiPF ₆ | 10,27 % |
| Polypropylene | (C ₃ H ₆) _n | 6,27 % |
| Aluminium | Al | 4,12 % |
| Copper | Cu | 10 % |
| Iron | Fe | 10 % |