

TechniSat 0000/3996

TechniSat TECHNIRADIO SOLAR 2 User Manual

Model: 0000/3996

INTRODUCTION

The TechniSat TECHNIRADIO SOLAR 2 is a versatile and environmentally conscious portable radio designed for reliable performance in various conditions. Featuring DAB+ and FM radio reception, multiple charging options including solar and crank power, an integrated LED flashlight, and a power bank function, this device is an ideal companion for outdoor adventures, emergencies, or everyday use. Its robust, splash-proof design (IPX4) and construction from 87% marine plastic underscore its commitment to durability and sustainability.

SAFETY INSTRUCTIONS

- Do not expose the device to extreme temperatures, direct sunlight for prolonged periods (beyond charging), or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not disassemble or attempt to repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from water sources, despite its splash-proof rating (IPX4). It is not designed for submersion.
- Ensure the USB ports are dry before connecting any cables.
- When using the power bank function, ensure the connected device is compatible and that the charging cable is in good condition.
- Dispose of the battery and device responsibly according to local regulations.

PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your TECHNIRADIO SOLAR 2.



Figure 1: Front view of the TechniSat TECHNIRADIO SOLAR 2, showing the speaker grille, digital display, and control buttons for volume, info/menu, mode, and OK/scan. The flashlight is visible on the left side.



Bis zu 25 Std. Akkulaufzeit

Und sollte dieser mal leer sein, kann er per Handkurbel oder Solarpanel geladen werden.

Figure 2: Top view of the radio highlighting the integrated solar panel. The rear view shows the foldable hand crank for manual power generation.



Figure 3: Side view of the radio with the protective cover open, revealing the DC OUT (USB-A) port for power bank function, DC IN (USB-C) port for charging the radio, and a 3.5mm headphone jack.

Controls and Ports:

- **Display:** Shows station information, time, battery status, and menu options.
- **Power Button:** Turns the radio on/off.
- **VOL +/- Buttons:** Adjusts volume.
- **INFO/MENU Button:** Accesses information display and menu settings.
- **MODE Button:** Switches between DAB+ and FM radio modes.
- **OK/SCAN Button:** Confirms selections or initiates station scans.
- **Preset Buttons (1-5+):** Quick access to saved favorite stations.
- **Flashlight Button:** Activates the LED flashlight.
- **Solar Panel:** Located on top for solar charging.
- **Hand Crank:** Foldable crank on the rear for manual power generation.
- **USB-C Input (DC IN 5V 2.3A):** For charging the radio's internal battery.
- **USB-A Output (DC OUT 5V 1A):** For charging external devices (power bank function).
- **3.5mm Headphone Jack:** For private listening.
- **Telescopic Antenna:** Extend for optimal radio reception.

SETUP

Initial Charging

Before first use, it is recommended to fully charge the internal battery. The radio offers multiple charging methods:

- **USB-C Charging:** Connect the included USB-C cable to the DC IN port on the side of the radio and to a standard USB power adapter (not included) or a computer USB port. A full charge takes approximately 4 hours.
- **Solar Charging:** Place the radio with the solar panel facing direct sunlight. The solar panel will slowly charge the internal battery. This method is ideal for maintaining charge or for emergency charging in daylight.
- **Hand Crank Charging:** Unfold the hand crank on the rear of the radio. Rotate the crank clockwise or counter-clockwise at a steady pace. Approximately 1 minute of cranking can provide enough power for a few minutes of radio playback or flashlight use. This method is for emergency power generation.



Bis zu 25 Std. Akkulaufzeit

Und sollte dieser mal leer sein, kann er per Handkurbel oder Solarpanel geladen werden.

Figure 4: The solar panel on top and the hand crank on the rear are primary methods for sustainable charging. The battery indicator on the display will show the charging status. A fully charged battery provides up to 25 hours of playback time.

OPERATING INSTRUCTIONS

Turning On/Off and Volume

- Press the **Power Button** to turn the radio on or off.
- Use the **VOL +** and **VOL -** buttons to adjust the listening volume.

Radio Operation (DAB+/FM)

Extend the telescopic antenna for optimal reception.



DAB+ und UKW

Bundesweite und regionale Radio-Programmvietfalt in digitaler Qualitt.

Figure 5: The TECHNIRADIO SOLAR 2 supports both DAB+ and FM radio for a wide range of listening options.

- Press the **MODE** button to switch between DAB+ and FM radio modes.
- **Automatic Station Scan:** In either mode, press and hold the **OK/SCAN** button to initiate an automatic scan for available stations. The radio will store found stations.
- **Manual Tuning (FM):** In FM mode, short press the **OK/SCAN** button to manually tune frequencies.
- **Selecting Stations:** Use the **VOL +** and **VOL -** buttons (or dedicated tuning buttons if available) to navigate through the scanned stations.
- **Saving Favorite Stations:**
 1. Tune to the desired station.
 2. Press and hold one of the numbered preset buttons (1-5+). The display will confirm the station has been saved.
 3. To recall a favorite station, simply short press the corresponding numbered preset button. The radio supports 10 favorite stations for DAB+ and 10 for FM.
- **INFO/MENU:** Press the **INFO/MENU** button to cycle through different information displays (e.g., program type,

signal strength, time) or to access the radio's settings menu.

Flashlight Function

The integrated LED flashlight provides illumination in two brightness levels.

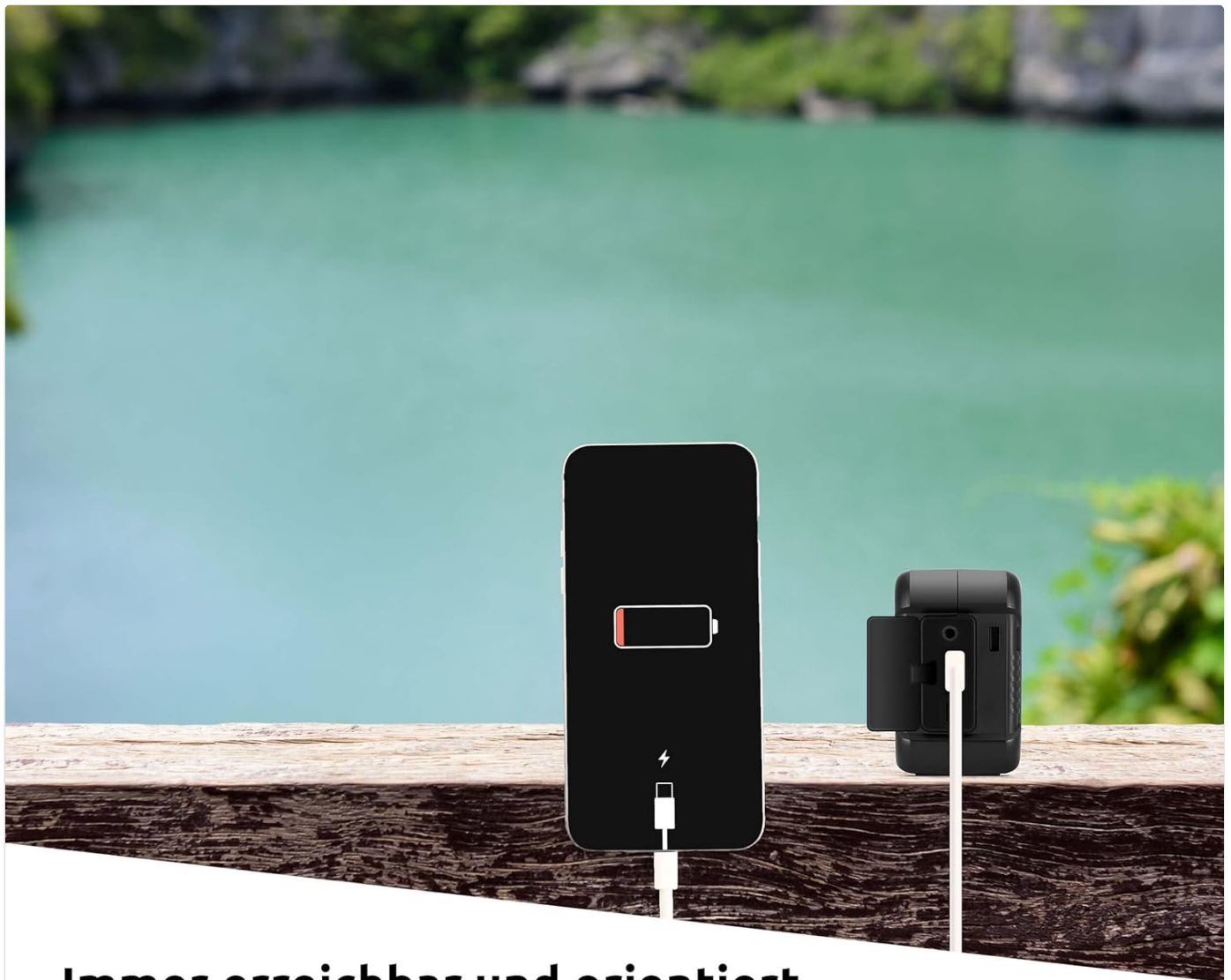


Figure 6: The powerful LED flashlight offers two brightness settings for various lighting needs.

- Press the dedicated **Flashlight Button** (located near the flashlight lens) once for the first brightness level.
- Press it again for the second, brighter level.
- Press a third time to turn the flashlight off.

Power Bank Function

The TECHNIRADIO SOLAR 2 can charge external devices like smartphones via its USB-A output port.



Immer erreichbar und orientiert

Dank Powerbank-Funktion zum Laden von Handys, etc.

Figure 7: Use the power bank function to charge your mobile devices on the go, ensuring you stay connected.

- Open the protective cover on the side of the radio to access the USB-A output port (DC OUT 5V 1A).
- Connect your device's charging cable to this port.
- Charging will begin automatically if the radio has sufficient battery power.
- Close the protective cover when not in use to maintain IPX4 splash protection.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and mild detergent, then dry thoroughly. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the radio in a cool, dry place. It is advisable to charge the battery fully every few months to maintain its lifespan.
- **Environmental Responsibility:** The radio's housing is made from 87% marine plastic, and its packaging is 100% plastic-free, reflecting an eco-friendly design.



Umweltfreundlich konzipiert

Das Gehäuse besteht zu **87%** aus Meeresplastik und die Verpackung ist zu **100%** plastikfrei.

Figure 8: The TECHNIRADIO SOLAR 2 is designed with environmental sustainability in mind, utilizing recycled marine plastic for its casing.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not turn on.	Battery is depleted.	Charge the radio using the USB-C cable, solar panel, or hand crank.
Poor radio reception (DAB+/FM).	Antenna not extended or weak signal area.	Fully extend the telescopic antenna. Try repositioning the radio or moving to an area with better signal. Perform a new station scan.

Problem	Possible Cause	Solution
Flashlight not working.	Battery is too low or flashlight button not pressed correctly.	Charge the radio. Ensure you press the flashlight button firmly.
Power bank function not charging external device.	Radio battery is too low, incorrect cable, or device incompatibility.	Ensure the radio's battery is sufficiently charged. Use a compatible charging cable. Some devices may draw too much power or are not compatible with 5V 1A output.

SPECIFICATIONS



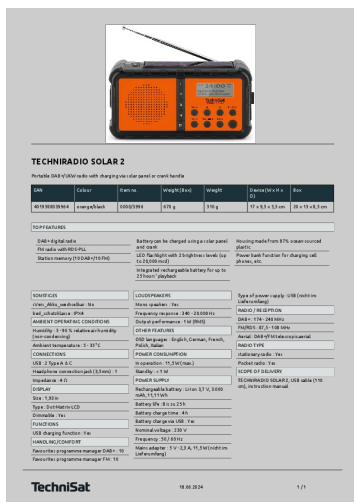
Figure 9: Dimensions of the TechniSat TECHNIRADIO SOLAR 2.

Feature	Detail
Model Number	0000/3996
Radio Bands Supported	DAB+, FM (with RDS and PLL)

Feature	Detail
Favorite Station Memory	10 for DAB+, 10 for FM
Power Source	Integrated Li-ion Battery (3.7V, 3000mAh, 11.11W), Solar Panel, Hand Crank, USB-C (DC IN 5V 2.3A)
Battery Life (Playback)	Up to 25 hours
Battery Charge Time	Approx. 4 hours (via USB-C)
Power Bank Output	USB-A (DC OUT 5V 1A)
Flashlight	Integrated LED with 2 brightness levels
Speaker	1W (RMS) Mono Speaker
Headphone Jack	3.5mm
Water Protection Rating	IPX4 (Splash-proof)
Housing Material	87% Recycled Marine Plastic
Dimensions (L x W x H)	17 cm x 5.5 cm x 9.5 cm
Included Components	TECHNIRADIO SOLAR 2, USB-C Charging Cable (110 cm), User Manual

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official TechniSat website or contact your local retailer. Keep your proof of purchase for warranty claims.



TECHNIRADIO SOLAR 2

Lot	Colour	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
40 15 30 80 19 64	orange/black	00023996	678 g	310 g	17 x 8,3 x 5,3 cm	28 x 13 x 8,3 cm

TOP FEATURES

Fit radio with PDS-PLL	and GSM	SMATIC
Station memory (10 DAB+ / 10 FM)	LED Red Night with 2 brightness levels (up to 20,000 mcd)	Power bank function for charging cell phones, etc.
	Integrated rechargeable battery for up to 75 hours* playback	

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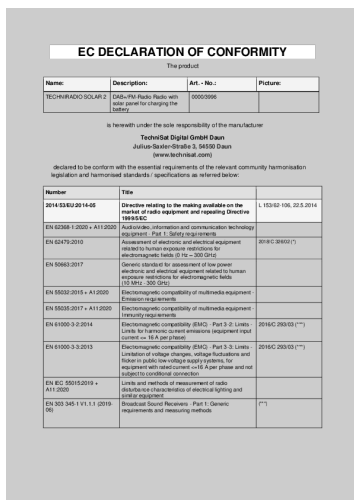
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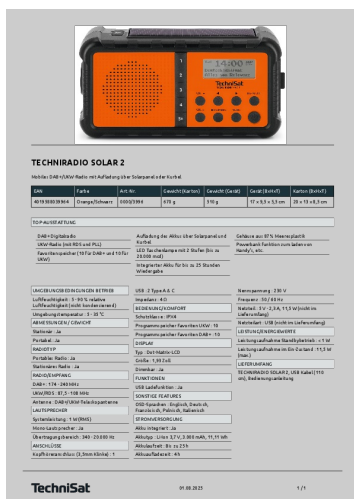


Name:	Description:	Art. - No.:	Picture:
TECHNIRADIO SOLAR 2	DAB+FM-Radio Radio with solar panel for charging the battery	0000/3996	

is herewith under the sole responsibility of the manufacturer

TechniSat Digital GmbH Dorn

declared to be conform with the essential requirements of the relevant community harmonisation legislation and harmonised standards / specifications as referred below:

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TECHNIRADIO SOLAR 2

IAN	Farbe	Art.Nr.	Gewicht (Karton)	Gewicht (Ges.)	Gesäß (BxHxT)	Karton (BxHxT)
4015101010101	Orange/Schwarz	000070996	679 g	310 g	17 x 8,3 x 5,3 cm	28 x 13 x 8,3 cm

TOP AUSSTATTUNG

UKW Radio (mit RDS und PLL)	Karaoke	Powerbank Funktion zum Laden von Handy's, etc.
Fachkompatibel (10 für DAB+ und 10 für UKW)	LED Tischlampe mit 2 Stufen (bis zu 20.000 mcd)	
	Integrierter Akku für bis zu 25 Stunden	

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TECHNIRADIO SOLAR 2 Mobiles DAB /UKW-Radio mit Aufladung ber Solarpanel
oder Kurbel EAN 4019588039964 Farbe Art.-Nr. Orange/Schwarz **0000/3996** Gewicht
Karton Gewicht Gert 670 g 510 g Gert BxHxT 17 x 9,5 x 5,5 cm Karton BxHxT 20 x 13
x 8,5 cm TOP-AUSSTATTUNG DAB Digitalradio UKW-R...

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EC DECLARATION OF CONFORMITY			
Transformer			
Name:	Description:	Art. - No. -	Picture:
TECHNICAL SOLAR E	Solar-Panels-Block with solar panel for charging the battery	00000000	
is herewith under the sole responsibility of the manufacturer Technical Digital GmbH Julius-Straße-10/11, 34109 Datteln (www.technical-uv.de)			
declares to conform with the essential requirements of the relevant community harmonization legislation and harmonized standards specifications as indicated below:			
Number	Title		
2014/53/2014-06	Directive relating to the making available on the market of radio equipment and repeaters Directive 2014/53/EU	1	10310, 10320, 205, 22.014
EN 62368-1 A1 + A1:2020	Audio-visual equipment and communication technology equipment - Part 1: Safety requirements	1	
EN 62311-2 A1:2017	Audio-visual equipment and communication technology equipment - Part 2: Electromagnetic compatibility requirements	1	2016C 20001 (*)
EN 50662-2:17	Generic standard for equipment of the power electronics and power semiconductor devices to suppress emissions for electromagnetic fields 150 MHz - 200 GHz	1	
EN 50523-2015 + A1:2020	Electromagnetic compatibility of multistandard equipment	1	
EN 50523-2017 + A1:2020	Electromagnetic compatibility of multistandard equipment - Immunity requirements	1	
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2 Limits Limits for harmonic current emissions adopted total current < 16 A per phase	2	2016C 20005 (***)
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3 Limits Limitation of voltage ripples, voltage fluctuations and flicker in public low-voltage supply systems for equipment with an input current < 16 A per phase and not subject to controlled connection	2	2016C 20005 (***)
EN IEC 2015:2011 + A1: 2020	Limits and methods of measurement of radio electromagnetic fields of electric and lighting equipment	1	
EN 303 345 V1 Y1.1 2019	Product Standard: Part 1: Generic requirements and measuring methods	1	

EC DECLARATION OF CONFORMITY (Transitional)			
Name:	Description:	Art. - No.:	Picture:
TECHNIDIGI SOLAR 2	200Watt Mono Panel with solar panel for charging the battery	0000090	
is herewith under the sole responsibility of the manufacturer Technidigi Digital GmbH Daan Julius-Straße-Weg 2, 54195 Daan (www.technidigi.com)			
declared to conform with the essential requirements of the relevant community harmonization legislation and harmonized standard(s) specifications as indicated below:			
Number	Title		
EN 62368-1:2014 + A11:2020	Directive relating to the making available on the market of radio equipment and repeaters (Directive 2014/53/EU)	115103-10, 22.5, 2014	
EN 62368-1:2014 + A11:2020	Audiovisual, information and communication technology equipment - Part 3: Low voltage safety	EN 62368-1:2014	
EN 12474:2010	Electromagnetic compatibility (EMC) equipment - Electromagnetic immunity tests - Immunity to electromagnetic fields in the 30 - 2000 MHz range	EN 61010-1:2010 (*)	
EN 50662:2017	Generic standard for assessment of low power electronic equipment for use in the presence of electromagnetic fields	EN 50662:2017	
EN 50623:2015 + A1:2020	Electromagnetic compatibility of multistage equipment - Immunity tests	EN 50623:2015	
EN 50623:2015 + A1:2020	Electromagnetic compatibility of multistage equipment - Immunity tests	EN 50623:2015	
EN 61000-3-2:2013	Electromagnetic compatibility (EMC) Part 3-2 Limits Limits for harmonic current emissions (adapted IEC standard on 16.8 A phase)	EN 61000-3-2:2013 (*)	
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) Part 3-3 Limits Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply systems (adapted IEC standard on 16.8 A per phase and no subharmonic content) (concordance)	EN 61000-3-3:2013 (*)	
EN IEC 60511:2019 + A1:2020	EN 60511:2019 + A1:2020	EN 60511:2019	
EN 303 145 V1.1.1:2019 (4)	Broadcast Sound Recorders. Part 1: General requirements and measuring methods	(*)	

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Abbildungen 2 1.1 Beschreibung 1 Taschenlampe Gedimmt/Hell/Aus 2 Handkurbel
Laden des Akku 3 Solarpanel Laden des Akku 4 Teleskopantenne 5 Lautsprecher 6
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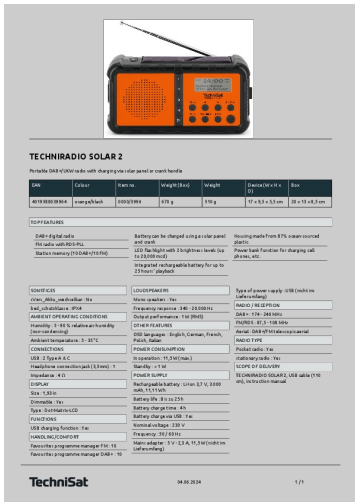
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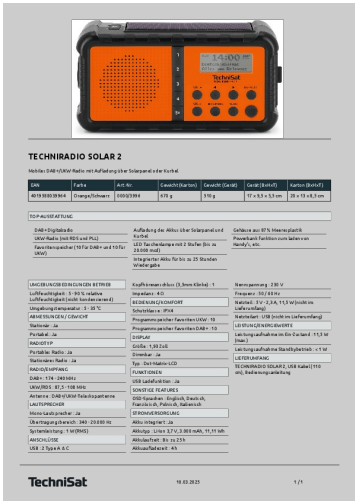
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TECHNIRADIO SOLAR 2 Portable DAB /UKW radio with charging via solar panel or
crank handle EAN Colour Item no. Weight Box 4019588039964 orange/black

0000/3996 670 g Weight 510 g Device W x H x D 17 x 9,5 x 5,5 cm Box 20 x 13 x 8,5
cm TOP FEATURES DAB digital radio FM radio with RDS-P...

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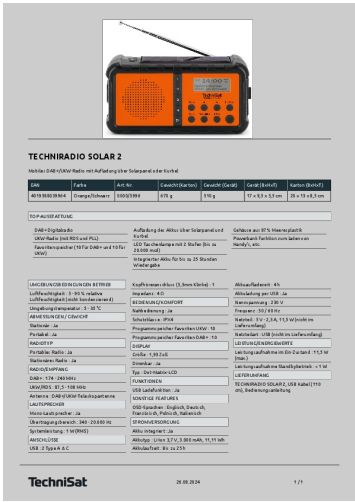


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TECHNIRADIO SOLAR 2 Mobiles DAB /UKW-Radio mit Aufladung ber Solarpanel oder Kurbel EAN 4019588039964 Farbe Art.-Nr. Orange/Schwarz **0000/3996** Gewicht Karton Gewicht Gert 670 g 510 g Gert BxHxT 17 x 9,5 x 5,5 cm Karton BxHxT 20 x 13 x 8,5 cm TOP-AUSSTATTUNG DAB Digitalradio UKW-R...

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