

# FIND FASTER

Follow the  
direct route

nivia  
3DFINDER



# The nivia 3D finder



## SLIM HOUSING

The 3D finder sits comfortably in the hand, can be operated both with and without gloves and fits perfectly in a trouser pocket thanks to its slim housing.

## USB PORT

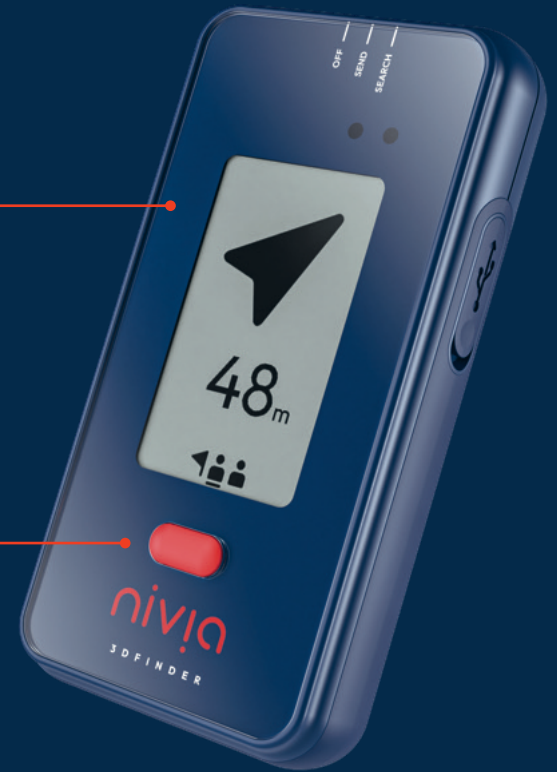
For quick and easy charging and emergency charging of smartphones.

## INNOVATIVE DESIGN

A large display and minimalist design provide a better overview and intuitive operation.

## MARKING BUTTON

A button for marking multiple burials, grouping, and other functions.



## SIMPLE OPERATION

Unmistakable operation thanks to logical On / Send / Search switch and control via just one switch.



Fast. Simple.  
A revolution.

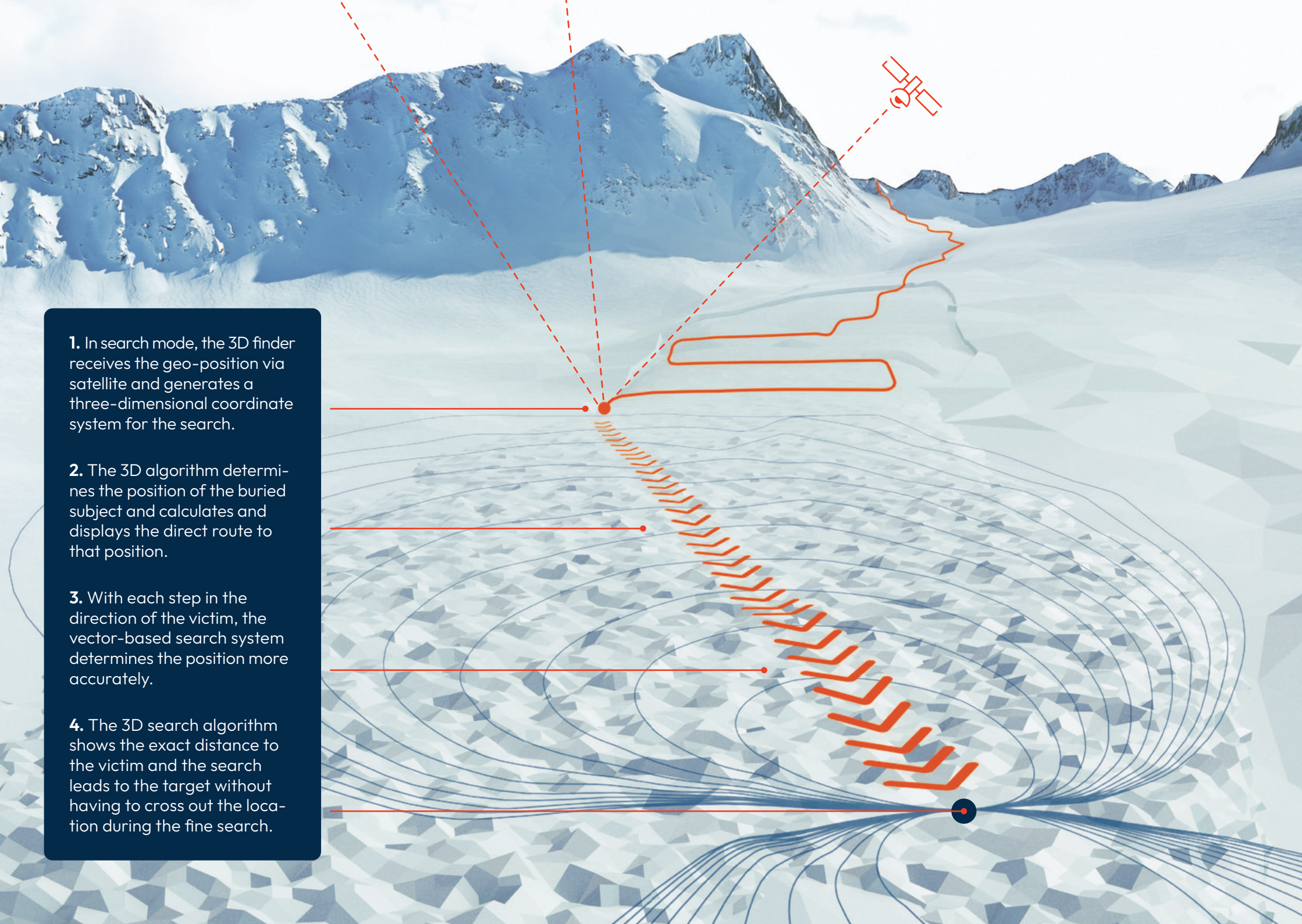
The nivia 3D finder is a groundbreaking avalanche transceiver. Thanks to innovative 3D technology, buried victims can be found more quickly in an emergency.

## The 3D technology

The nivia 3D finder uses revolutionary 3D technology. A GPS grid is created in addition to the traditional magnetic field lines. Combined with the patented algorithm, the position of buried victims can be determined very accurately from the very first signal.

Just like a navigation system, the route to the buried victim is displayed directly – accurate to the centimetre and not via the diversions of the magnetic field line. No matter which avalanche transceiver is being searched for. This saves valuable time (over 30 % compared to traditional transceivers) and can save lives.





1. In search mode, the 3D finder receives the geo-position via satellite and generates a three-dimensional coordinate system for the search.

2. The 3D algorithm determines the position of the buried subject and calculates and displays the direct route to that position.

3. With each step in the direction of the victim, the vector-based search system determines the position more accurately.

4. The 3D search algorithm shows the exact distance to the victim and the search leads to the target without having to cross out the location during the fine search.

# The 3D finder in detail

**Model:**

3D finder, digital device with 3 antennas

**Transmission frequency:**

457 kHz (international standard)

**Transmission field strength 457 kHz:**

Max. 7 dB $\mu$ A/m (2.23  $\mu$ A/m) at a distance of 10 m

**Distance:**

X 50 / Y 50 / Z 40 meters

**Search strip width:**

Max. 50 m (determined according to ICAR: AVA REC 0007)

**Power supply:**

Lithium-ion battery, 3.7 V / 1100 mAh / 6.66 Wh

**Charging:**

USB C

**Bluetooth low energy transmission frequency:**

2.402 GHz-2.480 GHz

**Temperature range:**

-20 °C to +45 °C (-4 °F to 113 °F)

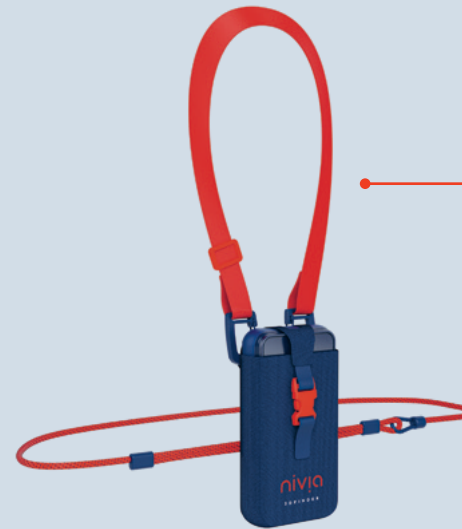
**Dimensions:**

67 x 130 x 24 mm

**Weight:**

225 g

# The carrying system and the safety case

**CARRYING SYSTEM**

The carrying system is designed to be easy to fit and extremely flexible. It fits securely and comfortably. For all winter sports enthusiasts.

**SAFETY CASE**

The packaging of the 3D finder is the ideal companion on the mountain, even after unpacking. Additional equipment can easily be stowed in the safety case. This is not only practical, but also environmentally friendly.





# Other benefits of the nivia 3D finder

## **No crossing out in the fine search:**

The 3D finder is so accurate that there is no need to cross out in the final phase of the search. The exact position and burial depth is shown on the display – probing is only required to mark the position of the victim.

## **Automatic emergency call function:**

In the event of an emergency, the 3D finder can immediately connect to the relevant rescue coordination centre after confirmation from the paired smartphone and transmit the exact GPS coordinates to the rescue services.

## **Emergency booster for the smartphone:**

The 3D finder's powerful battery can be used to recharge the smartphone in an emergency so that an emergency call can be made. The 3D finder's battery automatically takes priority.

# About nivia

Combining progress and technology with a passion for the mountains, nivia specialises in the development of innovative mountaineering equipment. 50 years after inventing the first avalanche transceiver, nivia is revolutionising avalanche transceiver technology with the 3D finder. Paving the way for its own vision to become reality: To save lives and make mountain sports safer.

nivia is backed by Rosenberger, one of the world's leading manufacturers of connectivity solutions in high-frequency, fibre optic and high-voltage technology. Approximately 18,000 employees contribute their expertise to Rosenberger's research and development, production and sales of innovative products.

**nivia** – a brand of the  
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