



Proceq GS8000 Subsurface Mapping User Guide

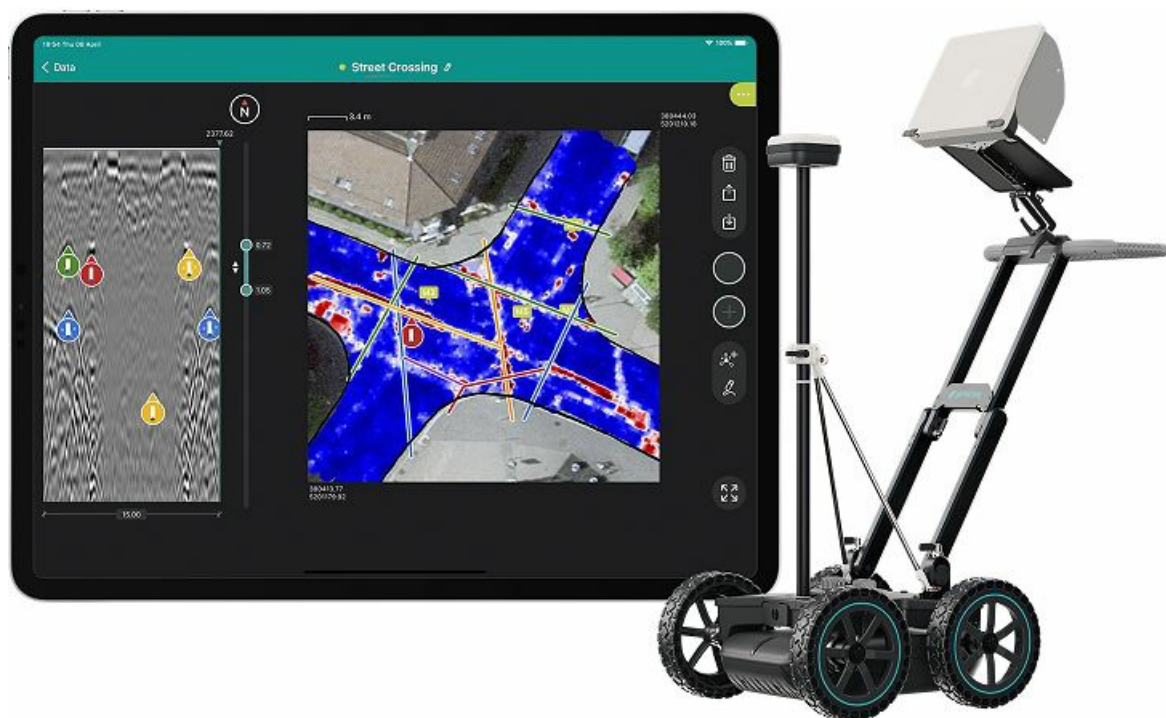
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Proceq GS8000 Subsurface Mapping



PARTS

A



B

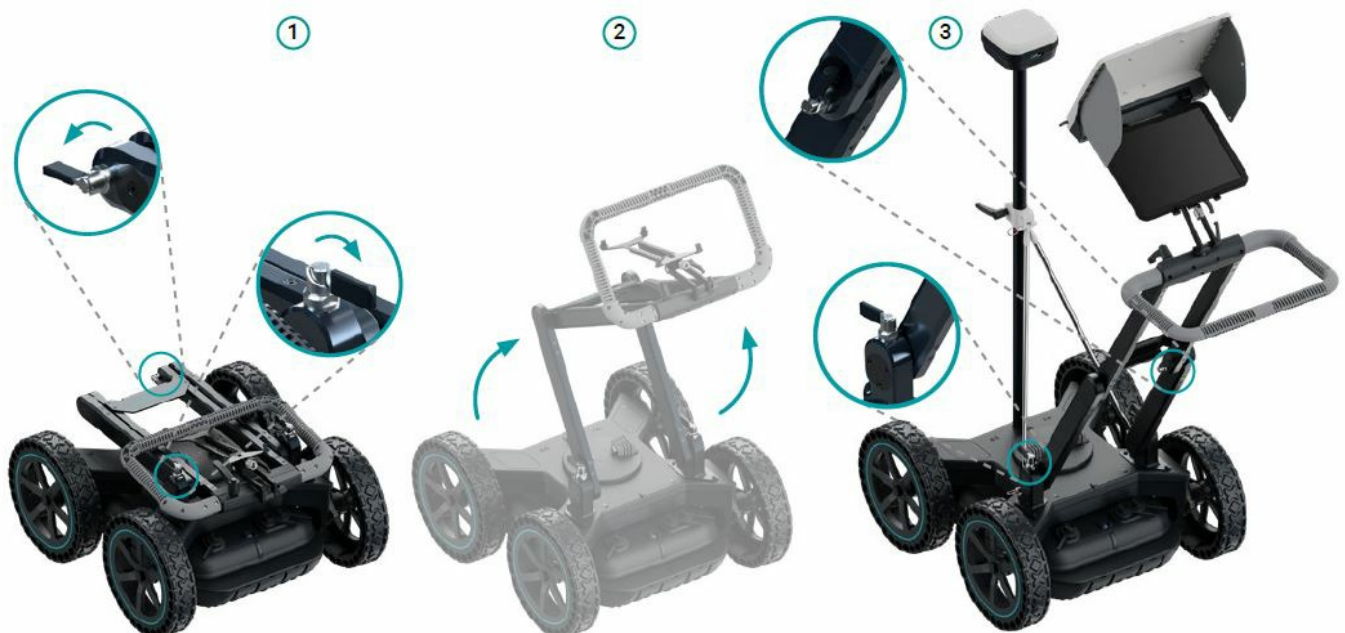




	Proceq GS8000 Pro	Proceq GS8000
A	●	
B		●
C	●	●
D	●	●
E	●	●
F	●	●
G	●	○
H	●	●
I	●	●
J	○	○
K	●	○
L	●	●
M	●	●
N	●	●
O	●	●
P	○	○
Q	●	○

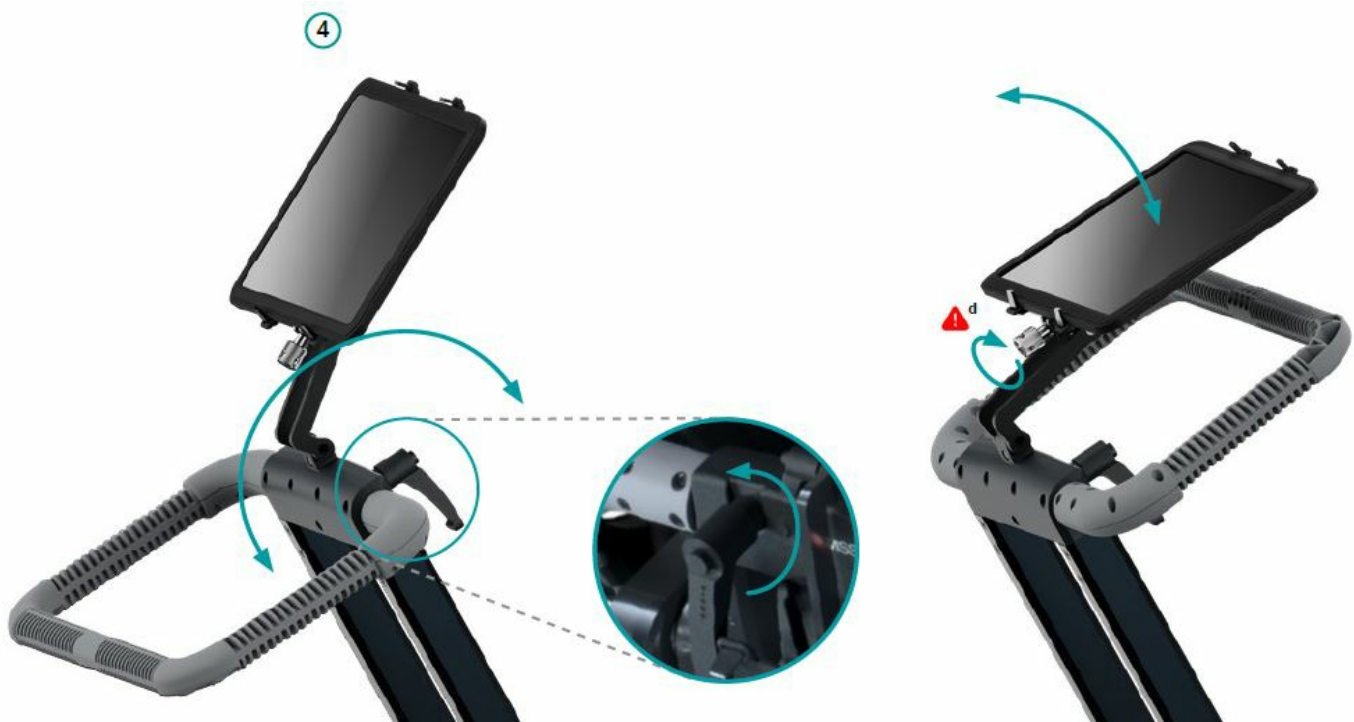
USING INSTRUCTIONS

- Use caution while lifting and carrying heavy equipment.
- Be careful with your hands while folding and unfolding the handle.



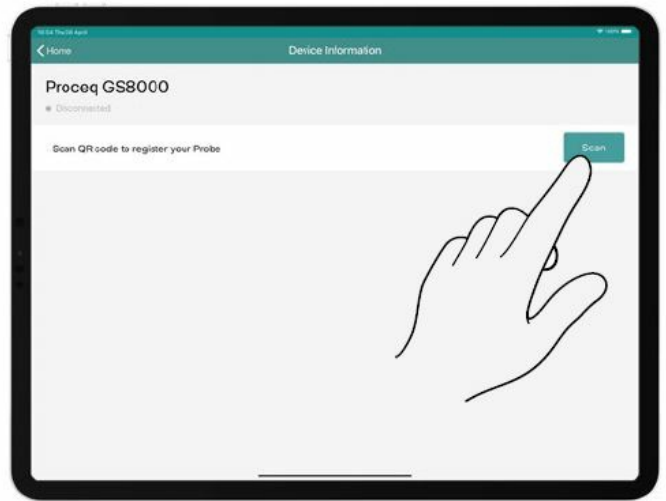
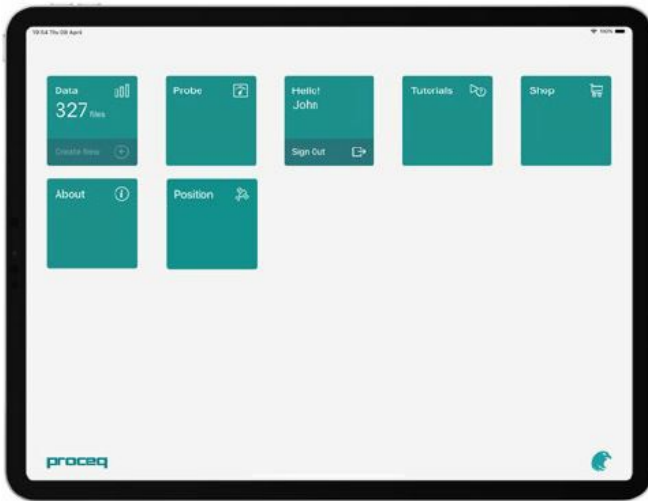
- Avoid direct exposure of the iPad® / iPad Pro® to the sunlight.

- Please make sure the iPad® / iPad Pro® is correctly attached to the tablet holder.



- Scanning the QR code is only needed once, for the initial setup.





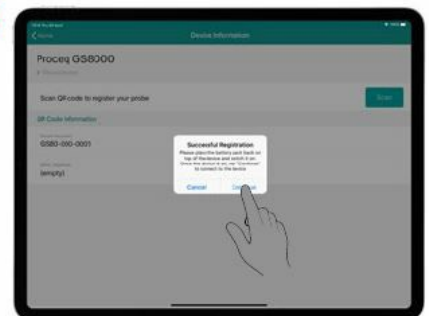
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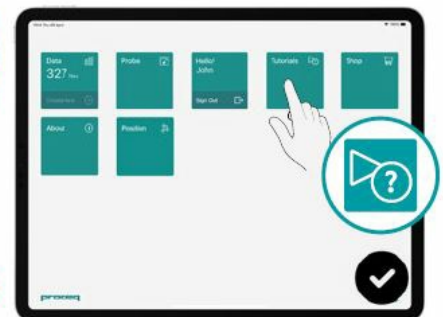
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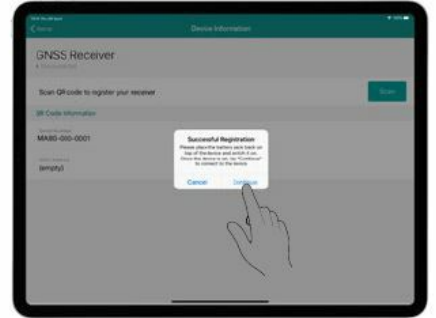
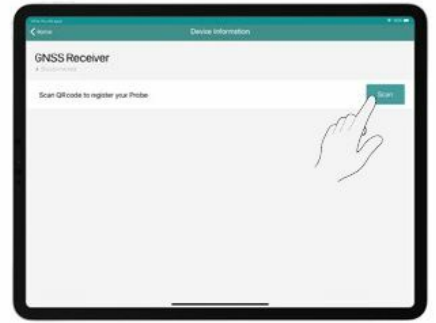
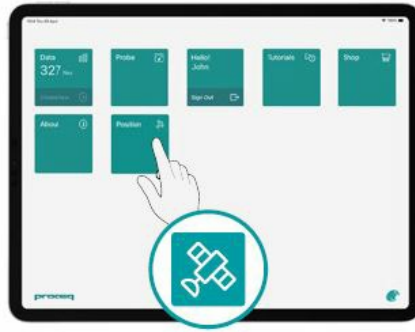


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- Scanning the QR code is only needed once, for the initial setup.

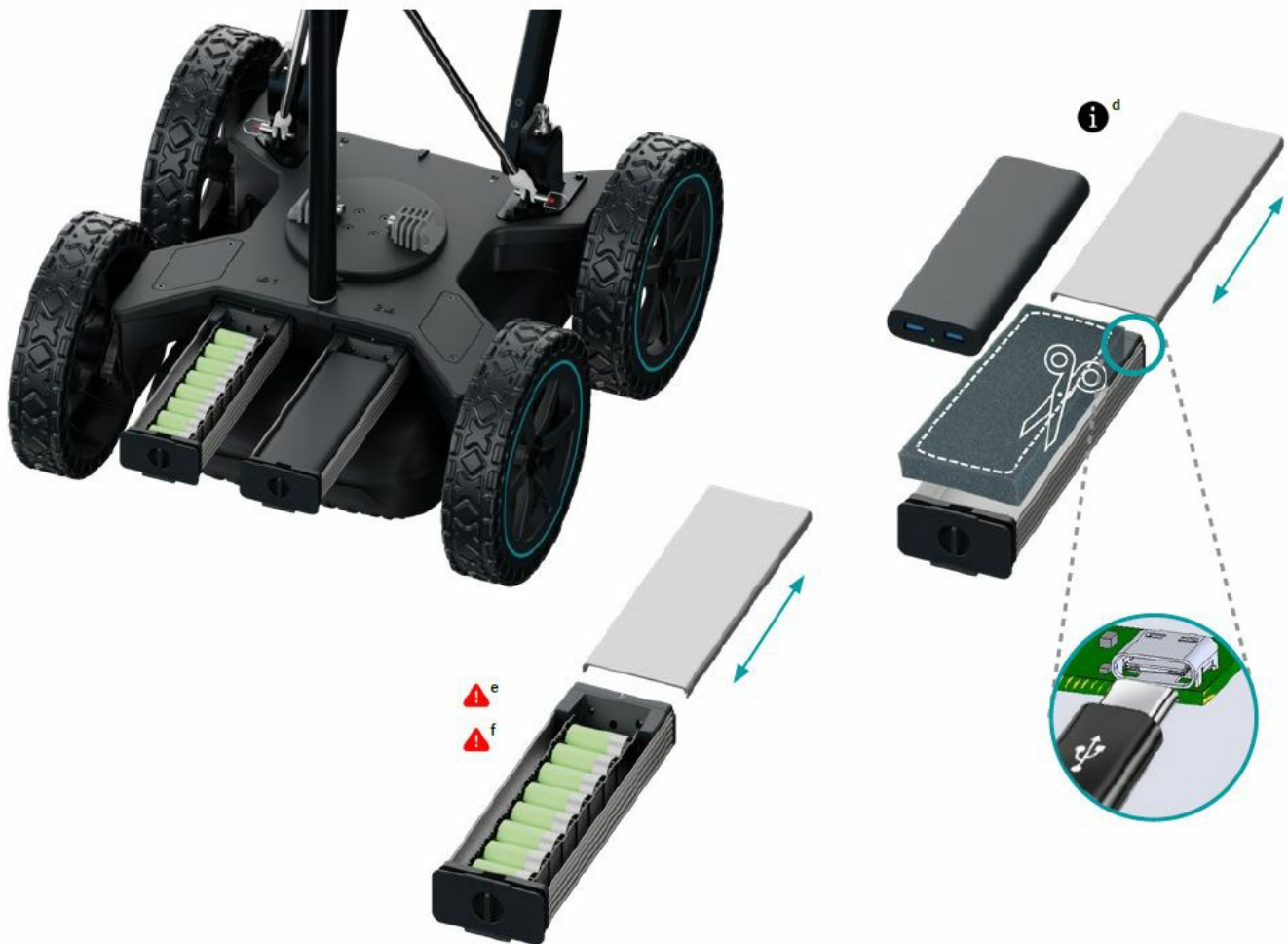
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- Fixing the position of the pole increases the accuracy of the GNSS position.







- Ensure correct polarity when inserting the rechargeable C batteries (NiMH >4500mA/h). Non-rechargeable C batteries are not recommended.
- Do not leave the batteries in the pack during storage for longer than 3 months. Remove the C batteries by following the reverse procedure.
- USB-C PD power bank (12V/≥1.25A | 15V/≥1A) not included.
- Power bank USB-C PD (12V/≥1.25A)

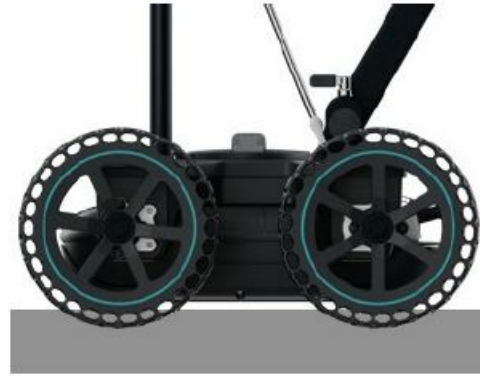


- Green: charging; Red: no batteries or wrong batteries inserted, temperature limit or voltage exceeded; Red/Green alternate blinking: bootloader is active. Do not let the battery pack discharge for longer than one month.
- Green: load above 50%, Orange: load between 20 and 50%; Orange blinking: load below 20%; Yellow/Red blinking: load below 10%.
- Ensure correct polarity when inserting the rechargeable AA batteries. Alternatively, you can use non-rechargeable AA batteries.
- **Warning:** do not charge non-rechargeable AA batteries!
- Do not leave the batteries in the pack during storage for longer than 3 months. Remove the AA batteries by following the reverse procedure.

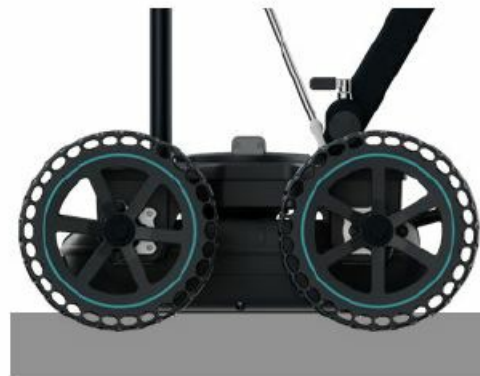


- This product is primarily designed for subsurface scanning.
- To reduce the noise level resulting from the air gap, it is recommended to scan in position B whenever possible.

A



B



- Adapter for RAM-mount protective cases and compatible accessories.



- Covering the iPad Pro is recommended under direct sunlight. In case of extreme temperatures, a RAM-mount compatible cooling case is recommended in combination with the sunshade cover.



- The handle can be mounted on the front of the cart for towed operation mode.



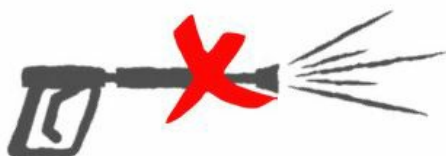
- Please do not try to open the product. Only service and repair centers authorized by Proceq are authorized to do so.



- Please only mount the adapters in position B with wheels of diameter = 270mm (GS8000 Light).



- Please make sure battery and power bank compartments, as well as caps, are correctly placed and closed before cleaning the equipment with water. Avoid high pressurized water and long-time direct water hosing onto the device.



Declaration of Conformity

- **Product:** Proceq GPR GS8000
- **Proceq Part Numbers:** 393 50 000
- **Manufacturer:** Proceq SA Ringstrasse 2, 8603 Schwerzenbach, Switzerland

We confirm that the Proceq GS8000 product conform with the following directives and standards:

- Health: EN 62749:2010
- Safety standards: EN 61010-1:2010
- IP classification: IP 65
- Battery directive: 2006/66/EC
- Restriction of hazardous substances (RoHS): 2011/65/EC
- Radio equipment directive: 2014/53/EU(RED)
 - EN 301 489-1 v2.1.1: 2017-02
 - EN 301 489-33 v2.2.1: 2019-04
 - EN 61326-1:2013
- Radio compatibility: EN 302 066 v2.1.1: 2017-01

FCC STATEMENT

The conformity is based on all essential and specific radio test suites for that radio equipment category identified by the involved Notified Body.

Proceq GS8000: the notified body Timco Engineering, Inc. (identification number 1177) performed the EU-type examination in compliance with Annex III Module B of the 2014/53/ EU Directive and issued the EU-type examination Certificate No. 1177-200355. The frequency range is 40 MHz to 3440 MHz with a maximum output power of ≤ -12 dBm (conducted). For US product sales only (FCC ID: 2ANPE-GS8000): This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Operation of this device is restricted to law enforcement, fire and rescue officials, scientific research institutes, commercial mining companies, and

construction companies. Operation by any other party is a violation of 47 U.S.C. § 301 and could subject the operator to serious legal penalties. www.screeningeagle.com/en/products/proceq-gs8000-subsurface-utility-gpr.

- Schwerzenbach, 30.10.2020
- Patrick Waller

- Chief Operating Officer

P. Waller



Swiss Made Declaration

- Product: Proceq GPR GS8000
- Proceq Part Numbers: 393 50 000
- Manufacturer: Proceq SA Ringstrasse 2, 8603 Schwerzenbach, Switzerland

We confirm that the Proceq GS8000 instrument was developed and manufactured in Switzerland and fulfills the requirements needed for the declaration "Made in Switzerland" or "Swiss Made". The requirements for industrial products are specified in detail in the National Swiss Trademark Protection Statute (Art. 47-50, MSchG) covering goods and services.

- Schwerzenbach, 30.10.2020

- Patrick Waller

P. Waller

- Chief Operating Officer

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Declaration of Conformity

- Product: Map MA8000
- Proceq Part Numbers: 393 50 611
- Manufacturer: Proceq SA Ringstrasse 2, 8603 Schwerzenbach, Switzerland

We confirm that the Map MA8000 product is in conformity with RoHS, WEEE and the following directives and standards:

- Low voltage directive: 2014/35/EU
- Safety requirements: EN61010-1:2015/IEC61010-1:2010
- RoHS directive: 2011/65/EU
- RoHS: EN50581:2012
- RED directive: RED 2014/ 53/EU/
- Electromagnetic compatibility: EN61326-1:2013/IEC61326-1:2012 EN ETSI 301 489-1 V2.2.3 EN ETSI 301 489-19 V2.2.0
- FCC: CFR47 Part 15
- Connection: Bluetooth Low Energy
- Bluetooth module: Contains FCC 10: WAP 2001/WAP2005 Contains IC ID: 7922A-2001/7922A-2005

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Industry Canada RSS standards. To comply with FCC and Industry Canada RF radiation exposure limits for general population, the transmitter with its antenna must be installed such that a minimum separation distance of 20 cm is always maintained between the radiator (antenna) and all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

- Schwerzenbach, 30.10.2020
- Patrick Waller

- Chief Operating Officer

P. Waller



Swiss Made Declaration

- Product: Map MA8000
- Proceq Part Numbers: 393 50 611
- Manufacturer: Proceq SA Ringstrasse 2, 8603 Schwerzenbach, Switzerland

We confirm that the Map MA8000 product was developed and manufactured in Switzerland and fulfills the requirements needed for the declaration "Made in Switzerland" or "Swiss Made". The requirements for industrial products are specified in detail in the National Swiss Trademark Protection Statute (Art. 47-50, MSchG) covering goods and services.

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- Patrick Waller *P. Waller*
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Documents / Resources



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 GS8000 Subsurface Mapping, GS8000, Subsurface Mapping, Mapping

References

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