



Quantum³ Tracker Battery Replacement Guide

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1. TRACKER INTERNAL BATTERIES

Based on UK average travel times along with OEM tracker and battery data, the Quantum³'s batteries can last up to three years. However, this lifespan may vary depending on several factors; increased vehicle usage, GSM signal strength, GPS fix quality, and frequent activation of the alarm state can all contribute to faster battery depletion. Under optimal conditions - strong GSM signal, reliable GPS fix, and no alarm activations - the batteries may last beyond three years.

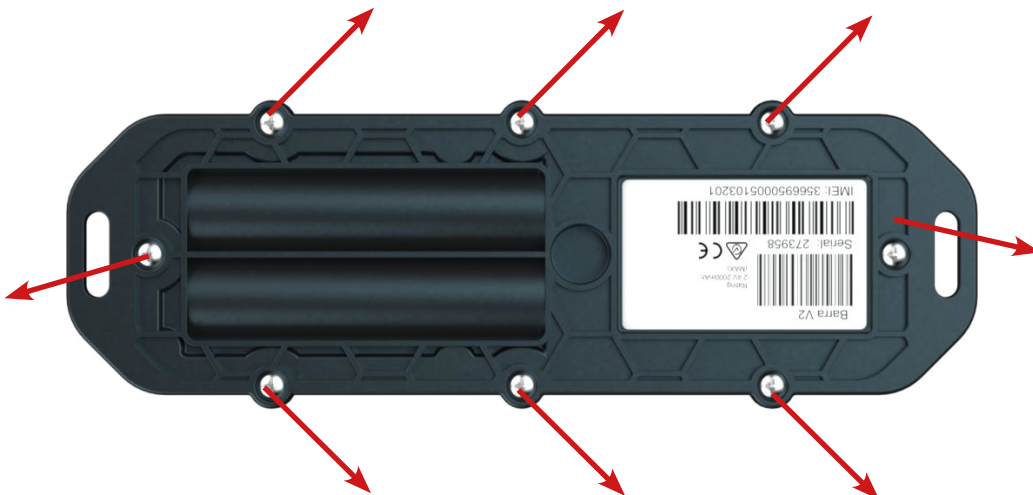
When the battery level becomes low, you will receive a notification. The Quantum³ operates on Energizer Ultimate Lithium AA batteries, so if you're comfortable doing so, you can replace these yourself. For optimal performance and longevity, we strongly recommend using the Energizer Ultimate Lithium batteries, as other types may negatively impact battery life or may even cause the device to stop reporting before a low battery notification can be sent.

Since the Quantum³ is a Thatcham-certified product, it is installed in a secure location. To access the unit, please contact us for the fitting location details. Alternatively, for a fee, you can request an engineer to replace the batteries for you.

2. STEP BY STEP INSTRUCTIONS

Step 1

- Turn the Tracker face down
- Unscrew the 8 screws using a cross-head screwdriver



Step 2

Remove the top plate to reveal the circuit board and the 2 Energizer Ultimate Lithium Batteries.



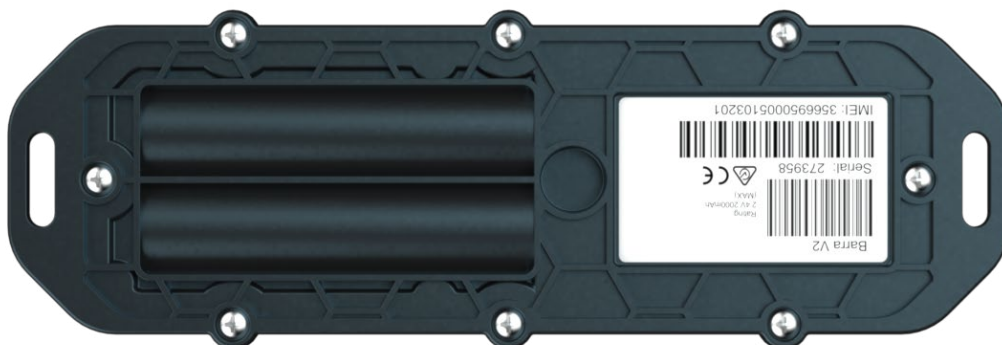
Step 3

Remove the 2 dead batteries and replace with new Energizer Ultimate Lithium Batteries. Ensure the batteries are the correct way round following the markings on the battery holder indicating the polarity. The springs are the negative terminals.



Step 4

Replace the top plate ensuring it is the right way round and reinsert the screws.



3. TROUBLESHOOTING

To verify that your unit is operating correctly, please log in to the ScorpionTrack website and confirm the vehicle location is correctly displayed on the live map.

When the tracker is disarmed and the vehicle is moving, the location is updated to the website once on initial movement and then again 5 minutes into the journey with GPS points. Then once the journey is completed it will update with it's parked location – this can sometimes take a short period of time to come through on journey end. If the vehicle location appears incorrect, it may simply be that the tracker hasn't yet updated. Battery-powered trackers refresh their position automatically once the vehicle has been stationary for a while. If the location still hasn't updated after a day or more, please contact your supplying dealer for assistance.

4. WARRANTY

ScorpionTrack Quantum units are provided with a comprehensive **2-year warranty** in addition to your statutory rights, designed to combat any material or manufacturing defects which become apparent within 2 calendar years from the date of first installation. In the unlikely event of repairs being required under the provided warranty, please contact the installing dealer for assistance.

Please note that the warranty does not extend to the internal batteries, as these are considered consumable components and are not covered under the terms of this warranty.

5. TERMS AND CONDITIONS

Use of the ScorpionTrack system is subject to the ScorpionTrack Terms & Conditions, with details of this available to view on our ScorpionTrack website. We recommend that you read this to gain a greater understanding of the provided service and the limitation of use.

Note: To find the Terms & Conditions, visit our website and scroll down to the very bottom of the page and click on the button labelled 'Terms & Conditions'.

6. CONTACTS

SALES ENQUIRIES

Email: sales@scorpionauto.com

Telephone: 01257 249 928

TECHNICAL ENQUIRIES

Email: technical@scorpionauto.com

Telephone: 01257 249 928

SUBSCRIPTION ENQUIRIES

Email: subscriptions-team@scorpionauto.com


Telephone: 01257 249 928

24/7 VEHICLE RECOVERY TEAM

Email: vehicle.recovery@scorpionauto.com

Telephone: 01257 240 945

Note: please only call this number in the event of theft.

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	UK Declaration of Conformity		Date Created:	22/02/2024
			Date Modified:	11/03/2024
			Rev No:	01
Creator:	Lizette Viljoen	Approved By:	Technical Director	

We, Digital Matter Embedded South Africa, St Georges building, cnr Meadowbrook and Sloane Rd, Bryanston, South Africa, 2021

declare on 22/02/2024


under our sole responsibility that the product:

- **Barra-GPS-4G**

is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive (RED) 2014/53/EU and Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS 2) Directive 2011/65/EU and its amendment Directive 2015/863/EU (RoHS 3).

Technical Specifications	Product Code
	Barra-GPS-4G
Cellular Modem:	Nordic nRF9160-SICA-B1
Cellular Modem Bands and Power	4G Bands: CAT-M1 & CAT-NB1 bands <ul style="list-style-type: none"> - 1 FDD 2100 MHz - 2 FDD 1900 MHz - 3 FDD 1800 MHz - 4 FDD 1700 MHz - 5 FDD 850 MHz - 8 FDD 900 MHz - 12 FDD 700 MHz - 13 FDD 700 MHz - 17 FDD 700 MHz - 19 FDD 850 MHz - 20 FDD 800 MHz - 25 FDD 1900 MHz - 26 FDD 800 MHz - 28 FDD 700 MHz - 66 FDD 1700 MHz
	CAT-M1 specific <ul style="list-style-type: none"> - 18 FDD 850 MHz
Cellular Modem Operating Mode:	CAT-M1 & CAT-NB1
Maximum Cellular Output power	Up to 23dBm
Modulation	CAT-M1 & NB-IOT: OFDMA CAT-M1: 16 QAM
Bandwidth	CAT-M1: 1.4MHz NB-IOT: 200kHz
GNSS Receiver:	UBX-M10050-KB
GNSS Bands:	GPS, GLONASS, Galileo, BeiDou, QZSS
Power Supply:	Input Voltage: 2.2-3.6 V DC
Firmware	V1.0
Clarification of module function:	GNSS provided by UBX-M10050-KB Cellular communication provided by nRF9160-SICA-B1


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Essential Requirements – Radio Equipment Regulations 2017	
Health and Safety	EN/ IEC 62368-1:2020+A11:2020 EN 62311:2020
EMC	EN 301 489-1 V2.2.3 EN 301 489-19 V2.2.1 EN 301 489-52: V1.2.1 EN 55032:2015/A1:2020 EN 55035:2017/A11:2020
Radio Spectrum Efficiency	EN 301 908-1 V15.2.0 EN 301 908-13 V13.2.1 EN 303 413 V1.2.1
RoHS	RoHS 2 Directive 2011/65/EU with amendment (RoHS 3) EU Directive 2015/863/EU

All technical documentation relevant to the above equipment will be held at:

Digital Matter Embedded South Africa,
The Oval, St Georges Block,
Meadowbrook Street, Cnr Sloane Street,
Bryanston, 2021,
South Africa.
www.digitalmatter.com
Tel: +27 11 540 9260

 _____ Adrian Pickles Technical Director	11/03/2024 _____ Date Signed
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CONTACT US

Telephone: 01257 249 928

Email: sales@scorpiontrack.com

Website: www.scorpiontrack.com

Address: Scorpion Automotive, Scorpion House, Drumhead Road, Chorley
North Business Park, Chorley, England, PR6 7DE

ScorpionTrack is a brand of Scorpion Automotive

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