# DAMO OUANTUM User Guide

REV 4 / 06.25

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# 1. WELCOME

# THANK YOU FOR YOUR PURCHASE

Your vehicle is now secured with a Datatool Quantum.

**Why choose Datatool?** There's a good chance you have made a significant investment in your vehicles, so why not protect them? Here at Datatool, we offer a wide range of security solutions to suit your security needs. Boasting a 96% recovery rate, along with a dedicated 24/7 Monitoring team, you can relax knowing that your assets are protected against sudden attack and potential theft.

Within this user guide, you will find all the relevant information that you need to ensure your tracking devices provide you with the utmost security and length of service. It will give you a brief overview of the product and provide examples of where a particular feature may be of value to you.

After consulting this guide (including the FAQs at the back of the guide), if you have any queries that are still unanswered then please contact our Datatool Team on 01257 249928 to speak with our Customer Services Team.

### **1.1 PRODUCT OVERVIEW**

Datatool Quantum actively protects your vehicles against unauthorised movement using advanced technology along with movement detection sensors hidden within the vehicle.

It is an advanced vehicle tracking solution with 24/7 monitoring, all year round, to provide security and peace of mind whilst offering a comprehensive range of convenient features for life on the road.

The Datatool Quantum activates upon movement at the start of a journey and then updates its location again after five minutes. Once the journey has finished, another position is sent to confirm the vehicle has parked. There may be a delay in these positions due to the nature of the device not being hardwired in. Additionally, it checks in once every 24 hours, regardless of movement. Due to there being so few journey check-ins this tracker is unable to populate journey reports.

Based on UK average travel times along with OEM tracker and battery data, the Datatool Quantum'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 - Good fitting location, 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 Datatool Quantum operates on standard AA batteries, so if you're comfortable doing so, you can replace these yourself. For optimal performance and longevity, we strongly recommend using Energizer 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 Datatool Quantum 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.

These are User controlled trackers and as such it will be your responsibility to set when the monitoring is 'Armed' and 'Disarmed'. This can be done by accessing your account on either the app or the website. If your tracker is 'Armed' and movement outside of your Safe Zones is detected you will receive a phone call from our Vehicle Recovery team. So, ensure the tracker is disarmed when you are moving the vehicle yourself to avoid false alerts. If upon receiving a phone call from our Vehicle Recovery Team you confirm the vehicle as stolen then our team will upgrade the Alert to Alarm, and once this command gets processed the unit will start to update every 30 seconds with it's live location.

To ensure optimal battery life and reliable long-term performance, the Quantum3 is designed to send periodic location updates rather than continuous real-time tracking. As a result, there may occasionally be a delay in seeing the most recent position, especially if the device is conserving power or has limited access to GPS or GSM signals.

In the event that your vehicle is confirmed as stolen and the device enters Alarm mode, it will increase its update frequency to provide more detailed live tracking to assist in recovery.

Please be aware that occasional delays or gaps in location reporting are expected and do not indicate a fault with the device. This behaviour is part of the system's intelligent design to balance performance with extended battery life.



# **2. GETTING STARTED** 2.1 HOW TO GET SET UP

As part of the installation, you will receive an email containing login details which provides you with access to the Datatool website **datatool.co.uk**. If you haven't received this email or require a duplicate, please call the Datatool Helpdesk on **01257 249 928**. To access the online system on our website, click **'Tracking Login'** at the top right of your screen and then enter your login details, you will need to Authenticate your account following the link sent in one of your welcome emails prior to this step. When logged in as the main Admin User, if applicable you can then add additional User's and give them certain Permissions to restrict their access within the account and dictate what they can and cannot see/edit.



If you have a Monitored subscription, should an alert be generated for your vehicle, it is vitally important that your contact details are kept up to date on the Datatool System to ensure that our Vehicle Recovery team are able to contact you at any time of day without delay. At the earliest opportunity, please log in to the Datatool website and check the contact information that we have for yourself. This can be accessed by clicking on **'My Account'**, bottom left as highlighted in the picture below.

My Account			
		User Guides	
Edit My Account Cha	inge Password	Cookies Policy	
NAME	DataTool Test	Privacy Policy	
EMAIL		Terms and Conditions	
		🛓 🛛 Download User Guide	
TIMEZONE	Europe/London		
LANGUAGE	en		
MEASUREMENTS	miles		
ACCOUNT TYPE	CustomerSuper		
Customer Details	S	My Permissions	
Update Site Logo Ed	it Customer Details Swap to vehicle icons	You have a Super account and have access to everything.	
CUSTOMER	DataTool Test	My Social Logins	
		Provider Date Paired Action:	5



# **2.2 MONITORING SUBSCRIPTION**

Datatool has a monitored service with staff available 24 hours a day, 365 days a year, to support you in the event of theft. To benefit from this, there is an annual fee which can be paid on our website or over the phone by calling the Subscription Team on **01257 249 928**.

The current pricing for our subscription service can be found on our website or you can call our Subscriptions Team for a full breakdown of pricing. If you would like to purchase your monitoring subscription on our website, please log into the online portal and click 'Subscription Management' on the left-hand menu. This will then take you to the 'Subscriptions' page that shows all your vehicles.

To purchase a subscription, you will need to navigate to the vehicle you want this to be applied to and in the right column click on the 'Buy Subscription' option.

Your Subscripti	Your Subscriptions Manage Billing									
Showing 1 to 3 of 3 results										
VEHICLE	INVOICE	STARTED	RENEWAL DATE	DURATION (MONTHS)	TYPE	ACTION				
PF69EJUTATI00		5/19/2022	5/19/2027	Lifetime	One Off	View Receipt				
¢8 Di		2/14/2024	2/14/2029	Lifetime	One Off	Installation Certificate View Receipt				

Any Datatool Quantum tracker will only provide theft detection whilst the monitoring subscription is active, with a minimum term of **12 months** as stated in the Terms & Conditions. If the payments for the subscription aren't received or renewed, no alerts will be generated with no vehicle theft protection in place. The live location of your vehicle will also not be visible on the website or mobile app. Furthermore, if you have declared that the tracker has been fitted to your insurer, non-payment of the monitoring subscription may also impact negatively on your insurance cover in the event of theft.

# 2.3 USER MANAGEMENT

Once you are set up you may wish to add more Users to the Account. This may be for several reasons including, adding Drivers of Vehicles that you wish to have access to view the account, or it could just be for dual management of the system, etc. Whatever the reason is, it is down to the main account holder to dictate what level of access is given to each User on the account. To add another User, Select the **'Settings'** image on the menu bar on the left-hand side of the screen, then select **'Users'** which takes you to the below screen and then select **'Create User'**.



User Acco Create User							
· Full Name	Email	Mobile	User Type	Active	Last Login	Last Active	Actions
DataTool Test	datatooltest@datatool.co.uk		Administrator	~	a few seconds ago	4 minutes ago	Edit Account Permissions
•							

When filling out the User details you are then able to dictate what level of access the users have by firstly selecting what **'Account Type'** you would like them to have, as below:

ACCOUNT DETAILS	Q
FIRST NAME:	
LAST NAME:	
MOBILE PHONE:	
EMAIL:	
CONFIRM EMAIL:	
ACCOUNT CONFIGURATION	Q
ACCOUNT TYPE:	
User	~
User	
Administrator	

By selecting **'Administrator**' this will give them full access to the account, but by selecting **'User**', upon creation of their account, you can then edit the '**Permissions'** which will allow you to control what they can and cannot edit/view within the account. Please see next image for example:



	Create User	]							
	Search for a user	, email or phone number							
	Full Name	Email	Mobile	User Type	Active	Last Login	Last Active	Actions	
<b>¢</b> :	DataTool Test	datatooltest@datatool.co.uk		Administrator	<ul> <li></li> </ul>	a few seconds ago	4 minutes ago	Edit Account Permissions	
•									
Edit User Permissions									
This form allows you to edit the permissions assigned to th one click. Once you have selected the required permission	his 'Customer' user acco ts click the 'Save Change	unt. The available permissions are liste is button to update this user account	d below and are seperated	into categories, to aflocate	r a permission t	ick the checkbox next to the r	name of the action. The "	Select All', Select None' and 'Invert Selection' butt	ins allow you to easily modify all the permissions in
		APP DEM	DACCOUNT						
				View User					
				Edit User /	Account				
				Select					
				Select 1	None				
		ALERT PER	MISSIONS						
		Actions a user to creat	ate a new alert						
		EDIT ALERT							
		Altows a user to edit	Lan existing alert						
		DELETE ALERT	ete an existing alert						
		ASSIGN VEHICL							
			ign vehicles to an existing alert						
		DISMISS ALERT							
		Allows a user to disc	miss alerts that have been prev	riously triggered					
		ALERT TYP	E PERMISSIONS						
		CONTEXTUAL SI	PEED						

If you want to add users of vehicles to the account and manage their access so they are limited to viewing just 1 or a selection of different vehicles then you will need to create groups to assign them to. To create a group, select **'Vehicle Management'** on the left-hand side menu bar, then select **'Groups'**. Once on the **'Vehicle Groups'** page you can then select **'Create Vehicle Group'** where you can set up a group ready to assign 1 or more vehicles to. You can give this group a name, e.g. the driver's name or the name of a person managing multiple vehicles. Once this is set up you can then select **'Assign Vehicles'** on the right to put 1 or more vehicles into the group.



Now you have Groups setup you can go back to **'Settings' > 'Users'** and select the name of the User you want to assign a vehicle group to. Then Select **'Edit User Account'** as shown below and then pick a Vehicle Group from the drop-down options to assign that group to the User.



t User Account Cha ser Details	inge Password	User Permissions
		This user is a Administrator and has access to everything
FULL NAME		
COMPANY		
EMAIL		
MOBILE PHONE		
ACCOUNT TYPE	Administrator	
ACCOUNT ACTIVE	Yes	
VEHICLE GROUPS	All	
ADDRESS		
COUNTY/PROVINCE/S	TATE	
POSTCODE		
COUNTRY	United Kingdom	
ACCOU	NT CONFIGURATION	
ACCOUNT	ACTIVE:	
Active		
ACCOUNT	TYPE:	
User		
	EHICLE GROUPS:	
LIMIT IO VI		

### **2.4 VEHICLE MANAGEMENT**

When accessing the Datatool app on our website, by default you will land on the 'My Vehicles' page in the 'Vehicle Management' section, which can also be found by navigating the left side menu. Here you can search for vehicles that you have registered under your account, view and edit your vehicles.

	vehicles 🛛									
Vehicle Management	Register Products									
Live Map	Showing 1 to 2 of 2 results							Search		SEARCH
Vehicles							Registrati	on 🔿 Alias 🔿 Make	⊖ Model ⊖ VIN	O Unit ID
Groups	REGISTRATION	ALIAS	MAKE	MODEL	UNIT	INSTALLED	SUB END	GROUPS	ACTION	
Alerts	TESTTRACK	Not Set			0	×	No Sub	None	View Edit	
Geofences										
Business Trips	DATATOOLTEST	Not Set	Mv Agusta	F4 1000	972315000	~	No Sub	None	View Edit	
DNA										
Triggered Alerts										
III Reporting 🔻										
Scheduled Reports										
Subscription Management										
Settings 🗸										
Q DataTool Test	SCORDION									
ps://app.datatool.co.uk/home	AUTOMOTIVE C SCORPION AUTO									

From the next page, you can view particular vehicles on a map, edit the vehicle details, and if insurance approved you can download the installation certificate or email it to someone. You can manage the **'Vehicle Modes'** such as turning on **'Armed Mode**' so that if the vehicle is driven away in a theft, it alerts our Vehicle Recovery Team. You can edit the vehicle and set the Alias to help track your vehicles via driver name or vehicle name rather than the registration.



DATATOOL	View Vehicle: TEST	RACK					
() Vehicle Management	Edit Vehicle   Register Vehicle Products						
Live Map	This Vehicle is awaiting installation						
Vehicles							
Groups	This Vehicle has NO UNIT - Vehicle w	ll no longer update.					
Alerts	Current Position				Vehicle Details		
Geofences							
Business Trips	View On Map				Edit Vehicle		
DNA	Odometer				REGISTRATION	TESTTRACK	
Triggered Alerts	Update Odometer				TYPE	Car	
Reporting T	This Vehicles current mileage is: 0.00 Mi Last Known Location De	etails			MAKE		
Scheduled Reports					MODEL		
Subscription Management	This Vehicle's location is currently Un	known!			COLOUR		
					VIN		
Settings V	Vehicle Modes				DESCRIPTION	None	
	NO ALERTS MODE	orr			AVERAGE MPG	NOT SET	
					AVERAGE CO2	NOT SET	
	TRANSPORT MODE	orr			FUEL TYPE	Petrol	
	GARAGE MODE	Orf			LAST SERVICE DATE	NOT SET	
	GARAGE MODE				INSTALL COMPLETE	No	
	DISABLE SPEED LOGGING	OFF			ZERO SPEED MODE	Disabled	
	PRIVACY MODE	0077			PRIVACY MODE	Disabled	
					LAST UPDATE	Unknown	
	Tags				No DNA Registered		
					Buy DNA		
DataTool Test	This Vehicle is not VTS enabled				Register DNA		
					Subscription Status		
		Vehicle Modes					
		venicle modes					
		101150	0				
		ARMED	٢				
				-			
		DISABLE SPEED	(1)	() NO			
		LOGGING	-				
			~				
		PRIVACY MODE	٢				

On this page you can also toggle **'MOT Reminders'** and **'Tax Reminders'** on and off. You can also see an overview of the Subscription on the vehicle to help keep on track of any that may be due. Lastly, there is the Calendar feature which can be used to record any important dates linked to certain vehicles and these can be set up with a reminder.

## **2.5 VEHICLE OWNERSHIP**

If you are to purchase a new vehicle which already has one of our trackers fitted, you will be required to get in touch with our Customer Excellence team via email at **customer**. **excellence@scorpionauto.com** or via telephone **01257 249 928** to request a **'New Ownership Form'.** This is an online form that must be filled out with the new customer's details to prevent any issues in the event of the vehicle being stolen. This is also the same if you are to purchase a new vehicle from a dealership that already has the Datatool tracker fitted to it.

When filling out the 'New Ownership Form', you will also be required to attach a copy of the front of the V5 document and a **'Bill of Sale'** or proof of purchase for that vehicle in your name and details. Once you have filled in this form and submitted it, this will be emailed to our Customer Excellence team who will process it and set up the updated account on the Datatool online system.

If you are selling your vehicle to another customer who wishes to register the tracker with us, you will need to fill in a **'Transfer Ownership'** form.

Please do not manually amend the contact information in your Datatool Account to the new customer's details as this will not be correctly updated on our system.



# 2.6 INSTALLATION CERTIFICATE (UK ONLY)

Some of our tracking units are insurance industry approved; therefore, they may qualify the owner for a discount on their vehicle's insurance. If the insurer requires an installation certificate as proof that the tracker has been fitted, a copy may be downloaded from our Datatool website in the **'Your Subscriptions'** page as shown below and is only available once the monitoring subscription has been paid and activated.

	Your Subscriptions Manage Billing										
()) [	Showing 1 to 3 of 3	results									
₽0	VEHICLE	INVOICE	STARTED	RENEWAL DATE	DURATION (MONTHS)	TYPE	ACTION				
	ю		5/19/2022	5/19/2027	Lifetime	One Off	View Receipt				
48	DS18VRC		2/14/2024	2/14/2029	Lifetime	One Off	Installation Certificate View Receipt				

### 2.7 SAFE ZONES

**Safe Zones** let you mark trusted locations like your home or workplace where alerts won't be triggered. This helps avoid unnecessary notifications when your vehicle is in a place you know is safe. You'll need to set up at least one Safe Zone before arming your vehicle.

To set one up, go to Geofences, click **'Create Geofence',** and set the Safe Zone toggle to **'Yes'**. Once saved, you can reuse or edit your Safe Zones at any time. For best results, keep them small—around 150 metres wide.

DATAFOOL	Description	
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≡ ⊕ ⊡ ≎		
<u>111</u>		
<b>\$</b> \$	SAFE ZONE	
	SAFE ZONE	
	Safe zones are used with battery-powered devices to prevent alerts when	
	sale zones are used with bactery-powered devices to prevent alers when the motion is detected within a defined area. To ensure timely alerts when the device leaves the area, we recommend keeping the radius to around 50 meters.	
ж.	Is Safe Zone?	
<u></u>	Yes No	
c	Create Geofence	
SCORPION & SCORPION AUTOMOTIVE		



## **2.8 ARMING YOUR QUANTUM**

You can arm your Quantum tracker using either the website or the app. Arming activates alerts, so you should only do this when you're not planning to drive the vehicle such as when it's parked at home or work. This helps keep alerts reliable and reduces the chance of false notifications.

Whether you're using the **website** or the **app**, tapping **'Arm'** will bring up a prompt asking if you'd like to use your existing Safe Zones or create a new one. If you choose to create a new one, you'll be taken to the **'Create Geofence'** page. If no Safe Zones are set up, you won't be able to arm your Quantum until one has been created.

On the website, arming is done via an **on/off toggle** next to **'Arm'**. On the app, it's a single **'Arm'** button, which changes to **'Disarm'** once the system is armed.

GPS HDOP	1.5	VIN	12345678784532
GPS SATELLITES	14	DESCRIPTION	
COORDINATES		LAST SERVICE DATE	Not Set
SPEED	0.00 mph	UNIT ID	
IGNITION	Off	INSTALL COMPLETE	×
• DATE	34 minutes, 34 seconds ago	LAST UPDATE	35 minutes ago
6			
Vehicle Modes		Subscription	
		LENGTH (MONTHS)	12
ARMED (i)	NO	START	23/01/2025
DISABLE SPEED (i)	NO	END	23/01/2026
PRIVACY MODE (i)	NO	MONITORED	×
PRIVACY MODE (i)		AUTO RENEW	×
Early Warning	of Movement	PAYMENT DUE	2025-01-07 15:35:37
		PAYMENT TYPE	Stripe
Change Ewm Status	5	MOST RECENT STRIPE	
Tags		INVOICE	
		Vehicle Remino	lers
This Vehicle is not VT	S enabled	vennere Kernine	



# **3. VEHICLE THEFT 3.1 AUTOMATED ALERTS**

Once you have a subscription in place, the system will be active and monitored 24/7. In the event of theft, the tracker will generate an automatic alert that is sent to our 24/7 Vehicle Recovery team if the following is detected:

• Tracker is Armed and the Vehicle moves more than 50m from the last known position.



### **3.2 THEFT PROCEDURE**

In the event of theft, please do the following:



When a tracking unit goes into ALERT, in order for us to establish if a theft has taken place, we must first contact you and this is why it is vital that you provide us with accurate contact details. We will also have to confirm your identity and will use the security question provided to do this. In the event there is no security question we will ask for you to confirm some personal account information. Once a theft has been established and your identity confirmed, we will continue to monitor your vehicle while you contact the police and obtain a crime reference number. This number is vital for us to ensure that we can keep the police up to date on vehicle movements. When your vehicle has been located, you will need to liaise directly with the police on how quickly you are able to recover your vehicle, as there are several instances where the police may need the vehicle to further their enquiries which are entirely out of our control.

Please note: The Datatool Vehicle Recovery Team will use their best efforts to recover your vehicle, working with the relevant local Police Authority. The Police response to a reported vehicle may vary depending on the resources available and the availability of location data from the tracking unit.



Most recoveries happen within the first 2 hours of theft, but every theft is different, and the recovery may take longer or may not even be possible. The fitment of a tracking system does not guarantee recovery of a stolen vehicle but does increase the possibility. Normal precautionary measures such as utilising secondary security, parking in well-lit areas and securing the keys, should still be taken.



# **4. DATATOOL APP** 4.1 MOBILE APP REVIEW

The Datatool mobile app allows you to remotely access security, safety and convenience features all from one place, including managing your subscriptions, customisable alerts and modes. All these features can be customised to suit your needs as the user to make life on the road easier. The mobile app is available to download on Google Play and the Apple Store.



#### **GPS** Location

The mobile app allows you to see your vehicle's last known location.

#### Accurate Location

All units use advanced GPS, Galileo, and GLONASS satellite technology to determine your vehicle's location.

#### 24/7 365 Days Monitored Subscription

Datatool operates a 24/7 secure operating centre that will monitor your vehicle for possible theft. In the event of a theft, they will liaise with local police to recover your vehicle.



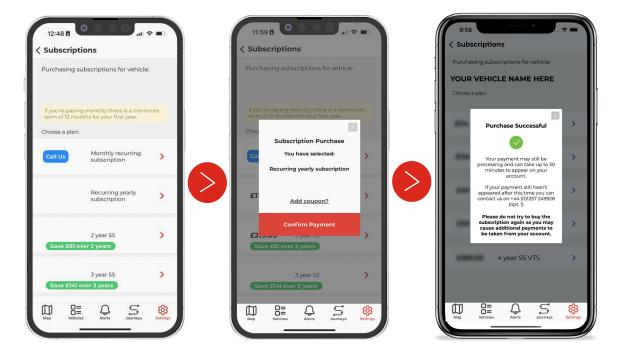
# 4.2 HOW TO MANAGE YOUR SUBSCRIPTION

From the Datatool mobile app, you can easily manage and purchase a subscription for any of the vehicles that you have registered on our system. To do this, you will need to go into the app **'Settings'** on the bottom right of the screen and click on **'Subscriptions'**.

This will then bring you to a list of all your registered vehicles, which you can select each one to purchase a subscription for. For any vehicles that have an active subscription, the time length and expiry date is shown underneath your vehicle's registration.

		11:58 🛯 💿 🔾 🔾		11.56 8	(■ \$ III,
Settings Subscriptions	>	< Subscriptions	Q	< Duration:	60 Months
Groups	>	Type: One time	Expiry: 2029-11-05	Start:	2024-11-04
-				End:	2029-11-05
Account	· ·			Active:	×
App Settings	(>			Auto Renew:	×
Geofences	· ·			Monitored:	~
Alerts	>		1.1	Payment Type:	Lifetime Subscription
Phone Tag	>			Installa	tion Certificate
Contact Us	>				
Map Vehicles Alerts Journey		Map 🔠 斗	Journeys Settings	Buy ↓ Map 日= Vehicles	Subscription Q Subscription Alerts Journeys Settings

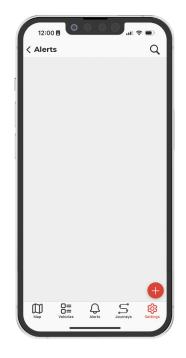
Once you've selected the vehicle you wish to purchase a subscription for, click the button labelled **'Buy Subscription'**. Then select the plan you want - we offer a range of subscriptions from monthly to a lifetime subscription which are available to select in the mobile app. Once you have selected the plan you want, press **'Confirm Payment'**. You will then need to switch your vehicle's ignition on for the monitoring subscription to become active.





### 4.3 HOW TO MANAGE DASHBOARD ALERTS & MODES

To view any Dashboard Alerts that have been triggered on your vehicle, simply click on the **'Alerts'** button at the bottom of the screen and it will show a list of the different alerts that have been triggered, and the date and time that the alert was triggered.



Additionally, you can create custom alerts in the mobile app in a similar way to creating an alert on the website. To create your custom alert, go into the **'Settings'** at the bottom of your screen and click **'Alerts'**.

Then click on the plus icon in the bottom right as shown in the below pictures to create an alert by naming it, giving it a description and selecting the alert type. Add the contact details you wish the alert to be sent to, such as your email address, mobile number for SMS (Text Bundle Payment Required) and app notification. Once you have filled out these details, press the **'Save'** button at the bottom of the screen.

11:58 🛙 🔘 🔍 🖉	(III 🗢 🔳		12:00		00	) "			12:00			) "III Ş	-
Settings		1	< Alert	s			Q	<	Create A	lert			
Subscriptions	>								DETAILS				
Subscriptions	· · ·	Į							Name				
Groups	>	1							Level			Alar	m ¥
Account	>								Description	:			
App Settings	>							L	Alert type			Ignitio	on 🗸
									Above spee	d limit (%	6)		0.0
Geofences	>							L	ALERT AC	TION			
Alerts	>							L	Emails			Assigned:	0 >
Phone Tag	>							L	Push Notifi	cations		Assigned:	• >
									SCHEDUL	E			
Contact Us	>						Ð			ş	Save		
Hog Out Map Unicles Alerts	Journeys		) Map	U Vehicles	Q. Alerts	Journeys	CO Settings		Map Veh	icles	Alerts	Journeys	KOS Settings
						_			_				



The Datatool app can also manage modes, click on the **'My Vehicles'** button at the bottom of the screen which will bring up a list of your vehicles registered to your account. Then select the vehicle that you wish to manage the modes for, where you can toggle on/off different modes as necessary. The main mode here being to Disarm and Arm the Monitoring of your vehicle. It should be disarmed when you are using the vehicle and Armed when it is parked up to help protect against theft .

12:59 🖥 🔍 🔍		14:34 🕲 🗔 🏍	icle Details	≪⊪ 79%∎	14:34 ऌ) स्त %	
Vehicles	Q	Ven	licle Details	Ψ	ven	icle Details 🛞
TM17XXX Alias: Not set Active Modes:	None	armed	nt alerts will be sent w	€ vhen	armed	t alerts will be sent when
		Armed: Mo	ovement alerts active	Disarm	Disarmed:	Disabled movement alerts
		Last Upda	ate: 18/12/24	12:29:29	Last Upda	ate: 18/12/24 12:29:29
		Odomete	er:	1122.6 >	Odomete	r: 1122.6 >
		Туре:		Van	Туре:	Van
		Make:		Ford	Make:	Ford
		Model: T	RANSIT CUSTOM 320LMTD	EBLUE A	Model: T	RANSIT CUSTOM 320LMTD EBLUE A
		Colour:	BlackBlackBla	ckBlack	Colour:	BlackBlackBlackBlack
		VIN:	XXXXXX	00000000	VIN:	*****
		Descripti	ion:		Description	on:
Map Vehicles Alerts	Journeys Settings			~		



# **5. TECHNICALITIES**

### **5.1 TRACKER INTERNAL BATTERY**

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 standard AA batteries, so if you're comfortable doing so, you can replace these yourself. For optimal performance and longevity, we strongly recommend using Energizer 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. To change the batteries, remove the 8 screws on the underside of the device, remove the old batteries and insert the new batteries, following the markings on the battery holder indicating the polarity. The springs are the negative terminals.

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.

### **5.2 TROUBLESHOOTING**

To verify that your unit is operating correctly, please log in to the Datatool 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 every 5 minutes with GPS points plotted 3 minutes apart. 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.

### **5.3 WARRANTY**

Datatool 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.



## **5.4 TERMS AND CONDITIONS**

Use of the Datatool system is subject to the Datatool Terms & Conditions, with details of this available to view on our Datatool 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.comTelephone: 01257 240 945Note: please only call this number in the event of theft.



	Digital Matter Embedded S	outh Africa	Doc No:	DM/CMP/DoC/BG4G/002
() digital			Date Created:	22/02/2024
digital matter	UK Declaration of Cor	UK Declaration of Conformity		11/03/2024
				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         -       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         -       13       FDD       700 MHz         -       17       FDD       700 MHz         -       19       FDD       850 MHz         -       20       FDD       800 MHz         -       26       FDD       800 MHz         -       28       FDD       700 MHz         -       28       FDD       1700 MHz         -       66       FDD       1700 MHz         -       66       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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	Digital Matter Embedded S	outh Africa	Doc No:	DM/CMP/DoC/BG4G/002	
<b>()</b> digital			Date Created:	22/02/2024	
digital matter	UK Declaration of Cor	nformity	Date Modified:	11/03/2024	
		-	Rev No:	01	
Creator:	Lizette Viljoen	Approved By:	Technical Director		

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. <u>www.digitalmatter.com</u> 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@datatool.com Website: www.datatool.com

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

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