

# Read Values from an ELA tag with a Getoab module





# TABLE OF CONTENT

1 PURPOSE OF THE DOCUMENT	2
2 POWERING THE MODULE	3
3 MONITORING THE MODULE THROUGH MYGEOTAB	4
4 ELA TAG TO BE WORKING IN GEOTAB CONFIGURATION	5
5 READ THE BLUETOOTH DATA FROM THE ELA TAG	8



### **1 PURPOSE OF THE DOCUMENT**

This document has as a purpose to guide you reading the data from an ELA tag Using a Geotab Module.

For this guide you will need :

- One or more ELA Bluetooth tags :
- A Geotab module provided with an IOX/BT extension An internet access and a PC.





### **2 POWERING THE MODULE**

In order to have this Module correctly powered you need to plug it to the diagnosis line of the truck, which is explained in document within the box that contained your Geotab module. We powered the module using a stabilized power supply to conduct our tests.

Upon powering, the module will beep 6 times and follow its auto-configuration by beeping a certain amount of time.

You can create your profile on the Geotab Website, at <a href="https://my.geotab.com/">https://my.geotab.com/</a>

	☑ ▲ https://my.geotab.com
Options	Nouveau client ? S'inscrire
	<b>MY</b> GEOTAB <sup>™</sup>
Utilisateur (co	ourriel)
<u>ela2</u>	Suivant
	Mémoriser

You can create your profile by clicking onto subscribe and fill in the required fields.

Once your profile is done, you can reach the Homepage :

> Q	Afficher les rapports masqués 🐨				Assistance technique Ela2 1 Déclaration
	Affaires ou Personnel (semaine dern X Usage personnel = Usage d'affaire 0%	Sommaire d'activité (aujourd'hui)	Cote de base du chauffeur (semaine X	Nombre d'arrêts (hier)	Pourcentage de temps au ralenti (hier)
♦			Speeding Idling	0.4 = 40 Minutes 0.2 = Long Stops 0	20.0%(blank)



•

## **3 MONITORING THE MODULE THROUGH MYGEOTAB**

You first need to declare the module that you want to monitor throught MyGeotab,

Q	Name, VIN, or serial nun	Show 🔻	티 Sort by: Name	•	Add 🔻	Links 🔻	🕓 Report 🔻
?	You need to click onto ad	d to create y	our vehicle to monito	or			
🔇	Add Vehicle	Show Help					
	The serial number ca installer. It is 12 char	in be found o acters long ar	n the device or in the sund contains both letters	ipporti and ni	ing docume umbers.	ntation provid	led by your
~	Serial number (optiona	il):	*-000-000-0000				
	Description:		ame				
0	Fill in the Serial number a	nd a name t	o retrieve it.				
- Ch							
•							
ame, VIN, or seri	ial nun Show ▼ Ik Sort by: Name ▼ Add ▼ L	inks 🔻 🔇 Report 👻					

The vehicle should appear in the vehicle tab afterward, you can click onto it in order to have the recent history of the vehicule.



### 4 ELA TAG TO BE WORKING IN GEOTAB CONFIGURATION

You need to have your ELA tags working in the specific Geotab frame format, to do so you need to install Device Manager :

https://elainnovation.com/en/device-manager-suite/

	R			
	default		Programmateurs	${} \otimes {} \otimes {} \otimes$
			{} NFC	
ጨ	Accueil	$\odot$		
្ល៊ែវ	Configuration	⊘		
{}	Programmateurs	0		
<b></b>	Lecteurs	0		
$\Diamond$	Tags	$\odot$	Lecteurs	$\otimes$ $\otimes$
?	A propos	0	Bluetooth	

Click onto play in the NFC widget, the following box should appear, click onto the appearing NFC Reader





Then click onto the following icons





(3) Trames Pers	onnalisées	
Options et Configuration	₿₿⊘©⊕∋	The circle with arrow starts the NFC reading of your tag
Tag Format		
Format du Tag :	*	
Type de Trame :	×	
Trame Personnalisée :		
Affichage :	payload 🗸	
Affichage Payload	6	

T ×
Custom v
0000010001010002060100010103FF01040075010401
payload ~

#### Affichage Payload

Index	Name	Value
0	Length	02
1	Connectable, Scannable, Une	01
2	LE General discoverable + BI	06
3	Length	00
4	Manufacturer Specific Data	FF
5	data: 75	75
6	data:02	02
7	data:00	00
8	Puissance TX brute (int8)	02
9	Capacité pile (%) (int8)	02
10	data:07	07
11	T (fp24 [0 - 7])	13
12	T (fp24 [7 - 15])	14
13	T (fp24 [16 - 23])	15

After having read the NFC field, the custom frame will appear and its description



## 5 READ THE BLUETOOTH DATA FROM THE ELA TAG

Get to the Home page and click onto the Engin pictogram, then click onto the Engine and Device







Date Period	Display Options		
Today	Include archived (historical) data	Yes No	
Yesterday	Vehicles	Search vehicles	Ŧ
This week		Rese	t selection
Last week	Selected: All		
This month	Diagnostics	Search diagnostics	Ţ
ast month		Reset selection	Show all
Custom	Selected: All		



Select the proper vehicle into the tab

Date Period	Display Options	Display Options		
Today	Include archived (historical) data	Yes No		
Yesterday	Vehicles	Search vehicles 🔹	1	
This week		Reset selection		
Last week	Selected: ELA TEST			
This month	Diagnostics	bluetooth beacon	L	
Last month		Select all		
Custom	Selected: None	Bluetooth beacon accelerometer event cou		
		Bluetooth beacon altitude		
		Bluetooth beacon barometric pressure		
		Bluetooth beacon battery level		
Type « bluetoo	oth beacon » in the	Bluetooth beacon firmware		
Beacon type y	vou want Bluetooth	Bluetooth beacon illuminance (lux)		
Beacon in Range		Bluetooth beacon in range		
		Bluetooth beacon relative humidity		
		Bluetooth beacon temperature		



#### You can also choose the length of measurement into the « date period » tab.

Custom	Selected: Bluetooth beacon temperature, Bluetooth beacon in range
01/01/21 00:00 to 20/09/21 23:59	
	Apply changes

#### Click onto apply changes, the data should appear the following way :

Options * 🗄 Group by: Diagnostic * Report *	
Engine Measurements	Total items 56013
ELA TEST Company group	
Bluetooth beacon temperature	23.6327.70

You can click onto the tab to have the details of the data measured.

ELA TEST	Company group	
Bluetooth	beacon tempe	rature
20/04/2 20/04/2	21 11:53:21 21 11:53:30 21 11:53:33 21 11:53:36 21 11:53:42 21 11:53:45 21 11:53:45 21 11:54:24 21 11:54:24 21 11:55:42 21 11:55:54 21 11:55:54 21 11:55:54 21 11:57:36 21 11:57:36 21 11:57:51 21 11:57:51 21 11:57:57 21 11:57:57 21 11:57:57 21 11:58:42 21 11:58:45 21 11:59:45	24.8 C 24.7 C 24.8 C 24.7 C 24.8 C 24.7 C 24.8 C 24.7 C 24.8 C 24.7 C 24.8 C 24.7 C 24.8 C 24.7 C 24.6 C 24.6 C 24.6 C 24.6 C 24.6 C 24.6 C 24.5 C