Pairing with Teltonika Devices

v2.1

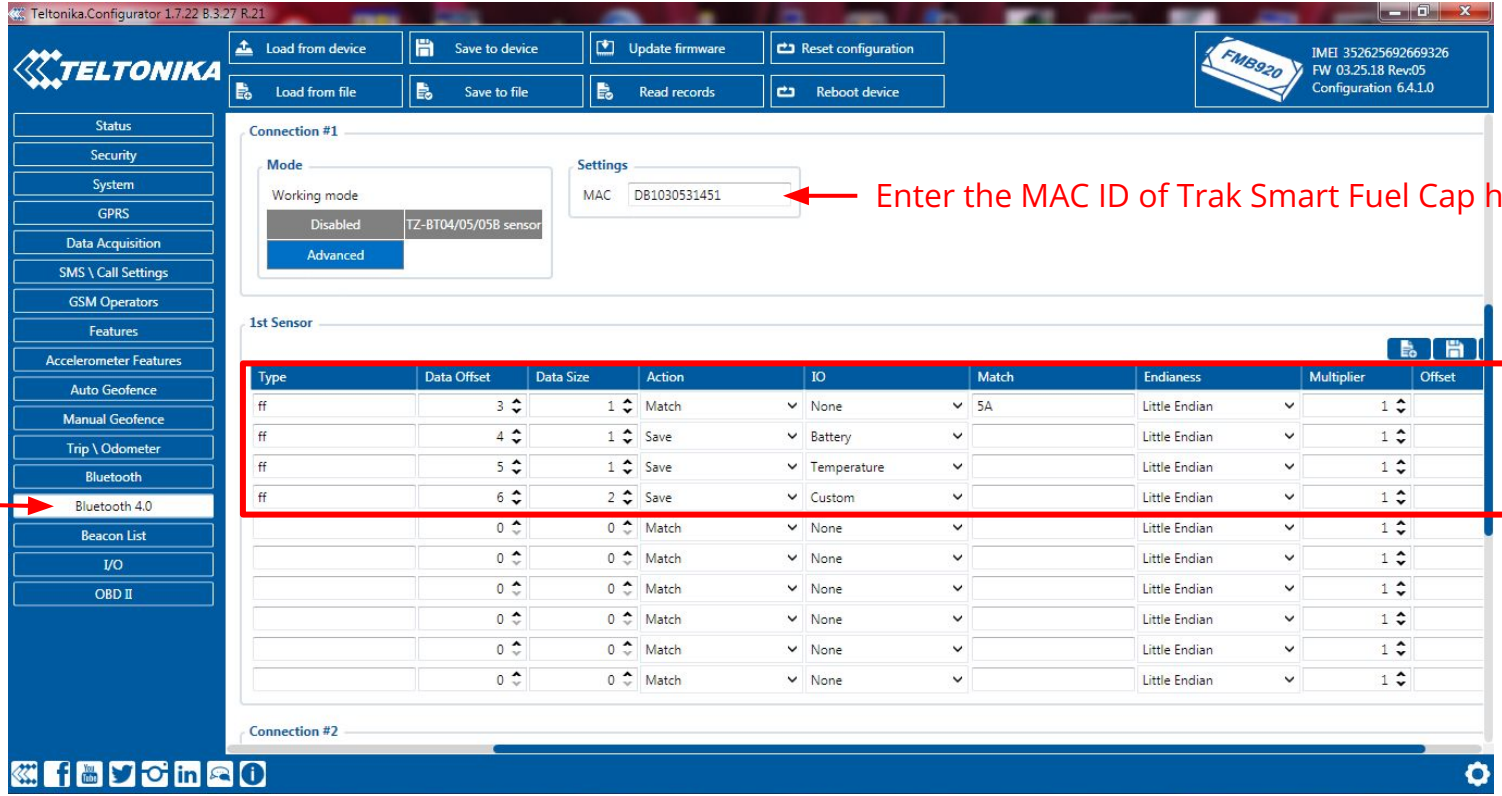
Summary

- This guide is prepared by using Teltonika FMB920. Use this **link** to download the ready to use config file for FMB920
- There may be a delay on alerts (such as 30 sec) due to GPS Tracking Device and GSM capabilities
- Trak Smart Fuel Caps manufactured in 2022 or later are capable to pair with Teltonika Devices
- Trak Smart Fuel Cap uses Property ID 331 of Teltonika. Check **Teltonika Data Sending Parameters** from the link
- This guide is compatible with all other Teltonika GPS Tracking devices which has Bluetooth feature.
- Be sure of that your Teltonika has set **Data Protocol** to **Codec 8 Extended**

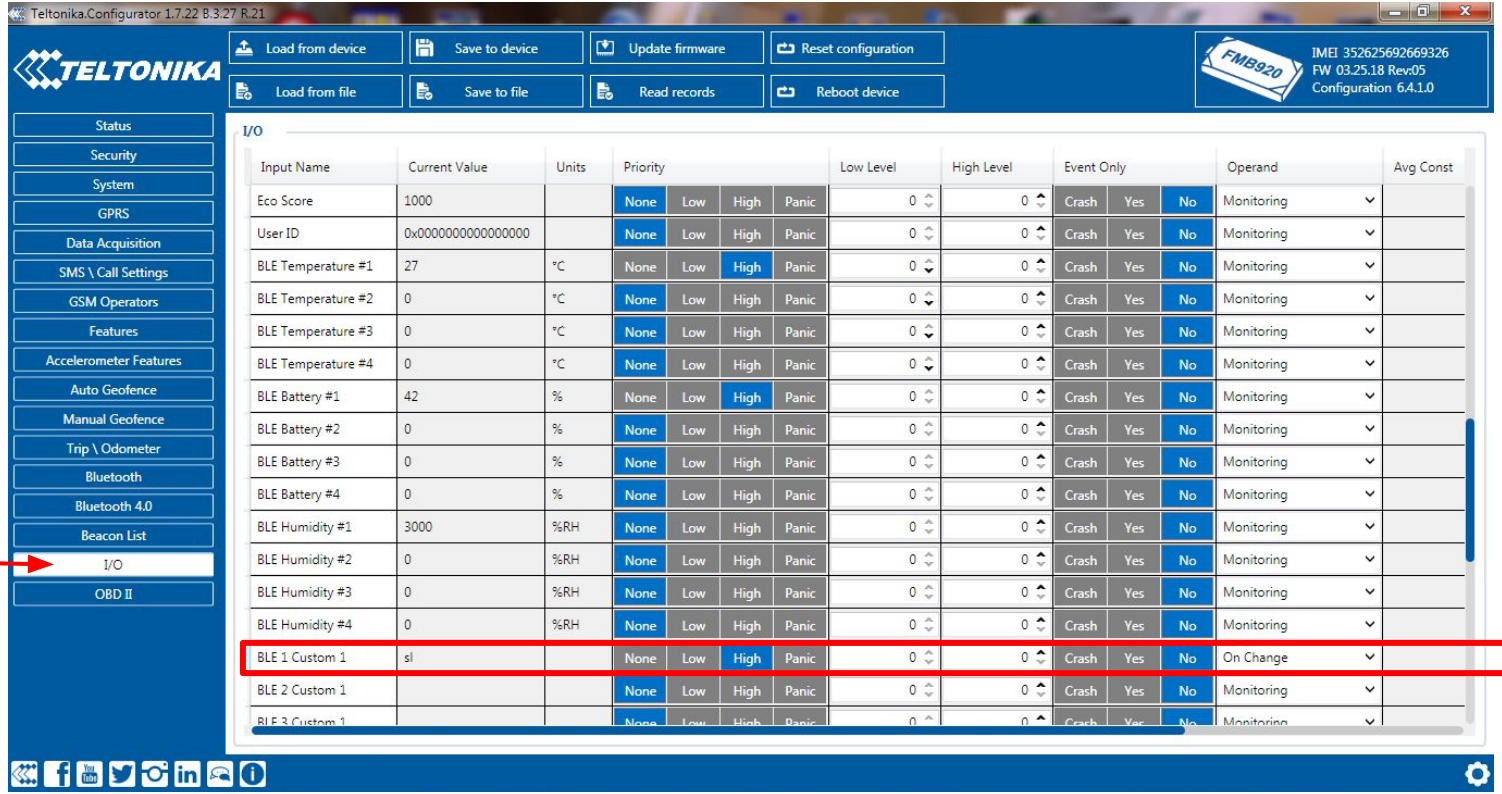
BLE Sensors I/O elements [edit | edit source]

Property ID In AVL Packet	Property Name	Bytes	Type	Value Range		Multiplier	Units	Description	HW Support	Parameter Group
				Min	Max					
331	BLE 1 Custom #1	Variable	HEX	0	-	-	-	Custom IO element for BLE sensor	FMBXXX [Expand]	Bluetooth Low Energy

Bluetooth Settings



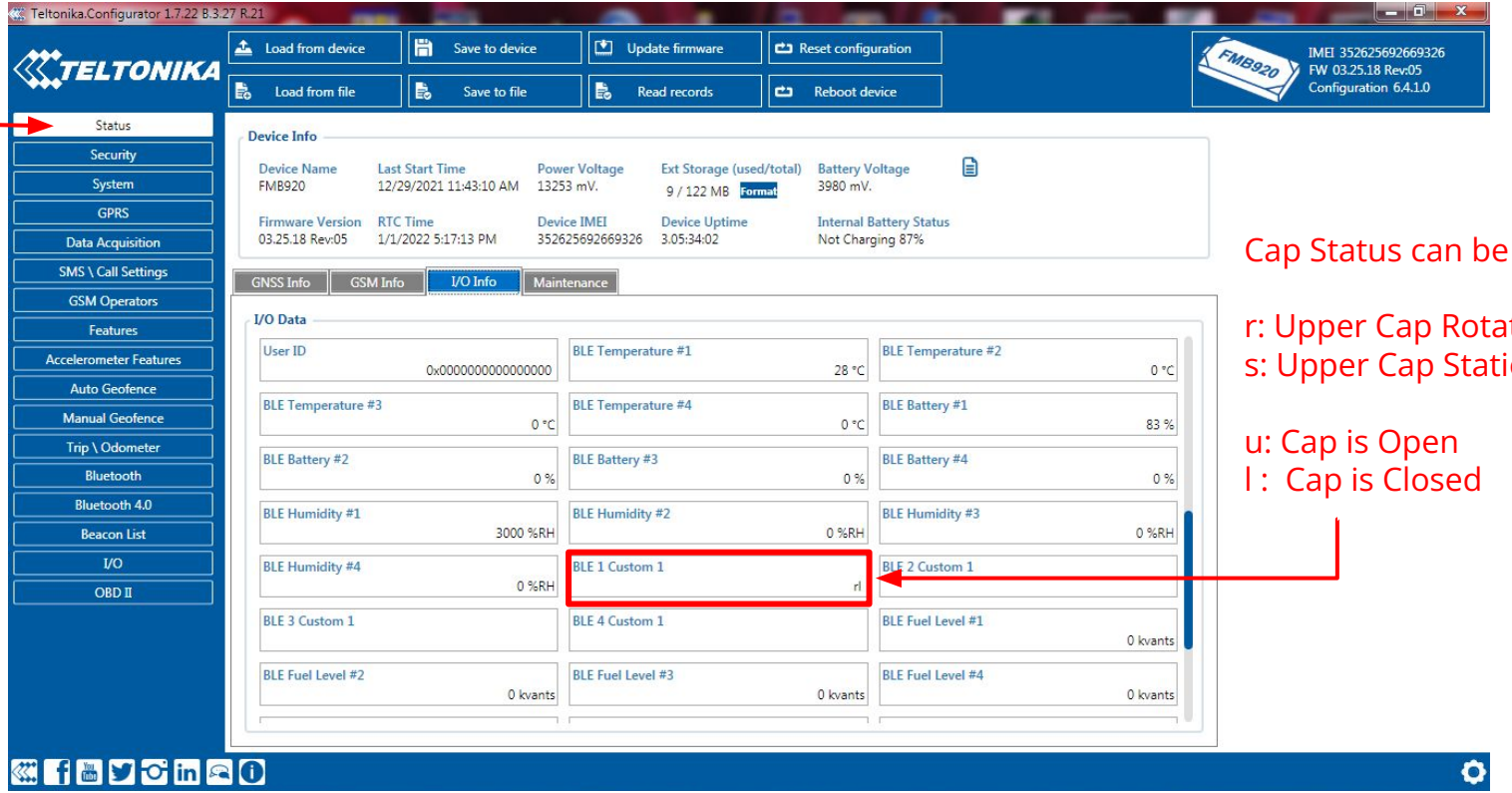
I/O Setting



Make the settings as shown here;

Priority : High
Operand: On Change

Monitoring



Cap Status can be seen here

r: Upper Cap Rotates (Rotatesense®)
s: Upper Cap Stationary

u: Cap is Open
l : Cap is Closed

Monitoring and Alerts

#	Status	Hexadec.	Decimal	String
1	Normal Position (Cap is closed, and there is no tampering)	736c	29548	sl
2	Tamper Detection (Cap is closed, and someone is tampering the cap)(Rotatesense)	726c	29292	rl
3	Cap Open (Cap is opened, and there is no tempering)	7375	29557	su
4	Cap Open (Cap is opened, and someone is tampering the cap)(Rotatesense)	7275	29301	ru

*to receive **tampering** alerts, be sure your Smart Fuel Cap has Rotatesense feature*

Thank you!

Please contact us
for more information

www.trakfuel.com