Connecting an analog fuel level sensor to the Teltonika tracker

Connection diagram of an analog fuel level sensor to the Teltonika tracker, in accordance with Figure 1.

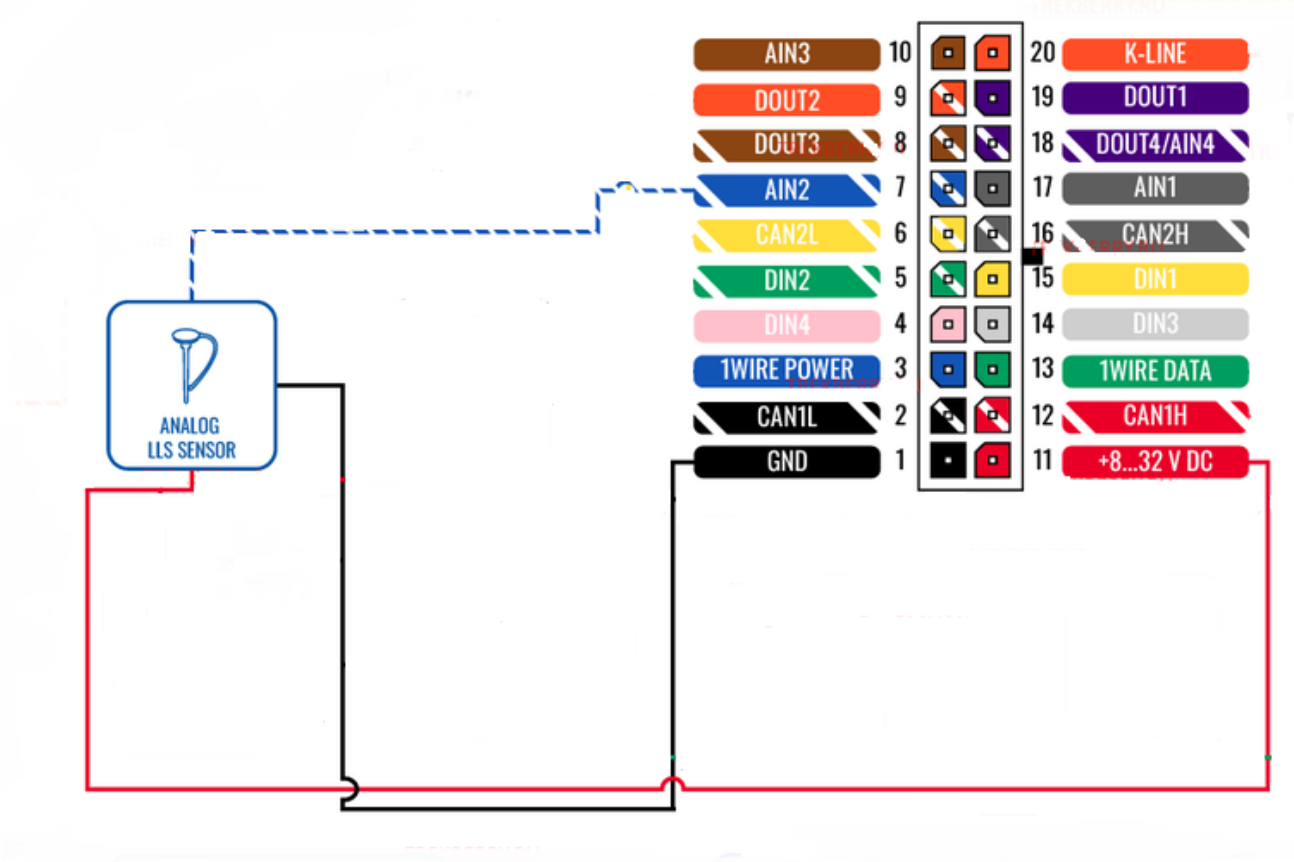

Figure 1 – Connecting an analog fuel level sensor to the Teltonika tracker

In this example, we use the Teltonika FMB640 tracker; in similar Teltonika trackers, the analog fuel level sensor is connected in the same way. Plus is connected to the power pin on the tracker, minus to GND, the third wire to the analog input AIN1, AIN2, AIN3 …

After connecting the sensor and tracker, as well as supplying 12 volts, connect the Teltonika tracker to the laptop via a USB cable and open the Teltonika.Configurator application on the laptop. In Figure 2, you can see the application loading and searching for connected devices.

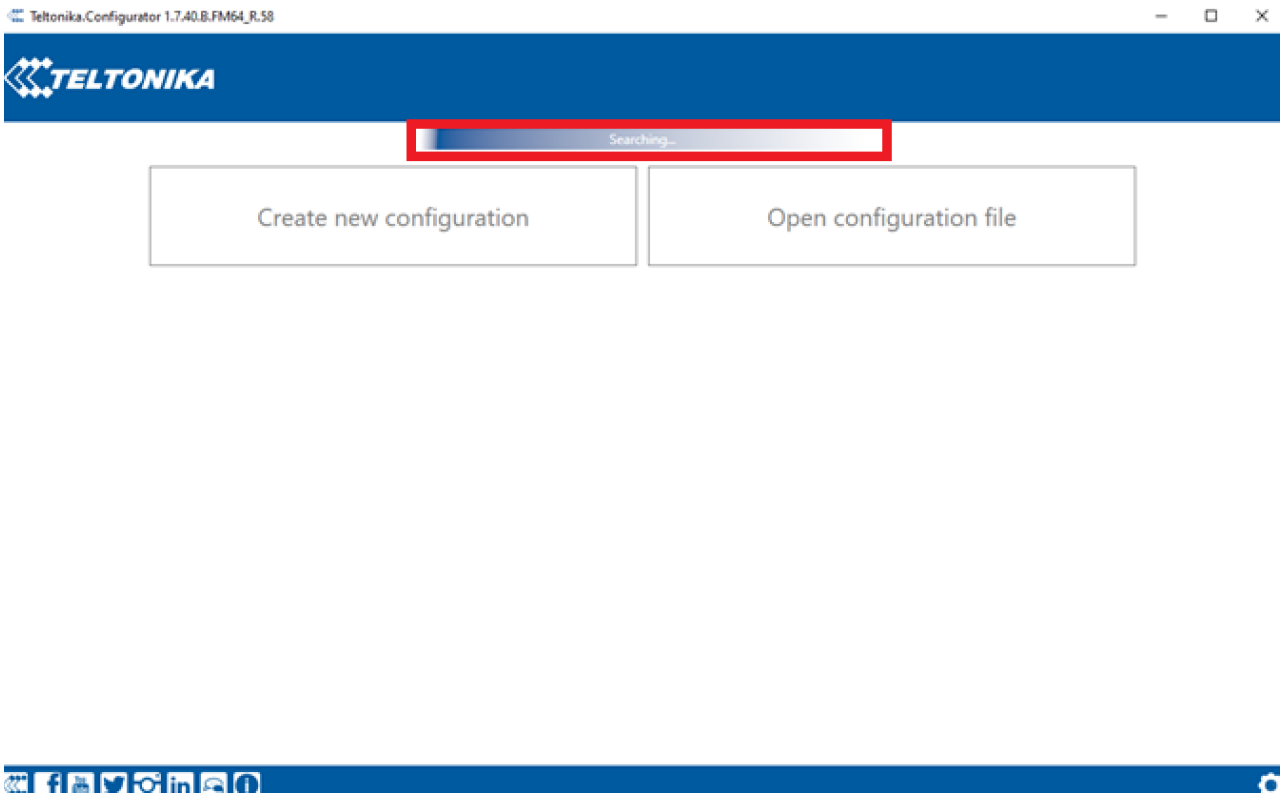

Figure 2 – Loading and searching for connected devices

If the tracker is correctly connected to the laptop and there is power supply, then the software will display this tracker, in accordance with Figure 3.

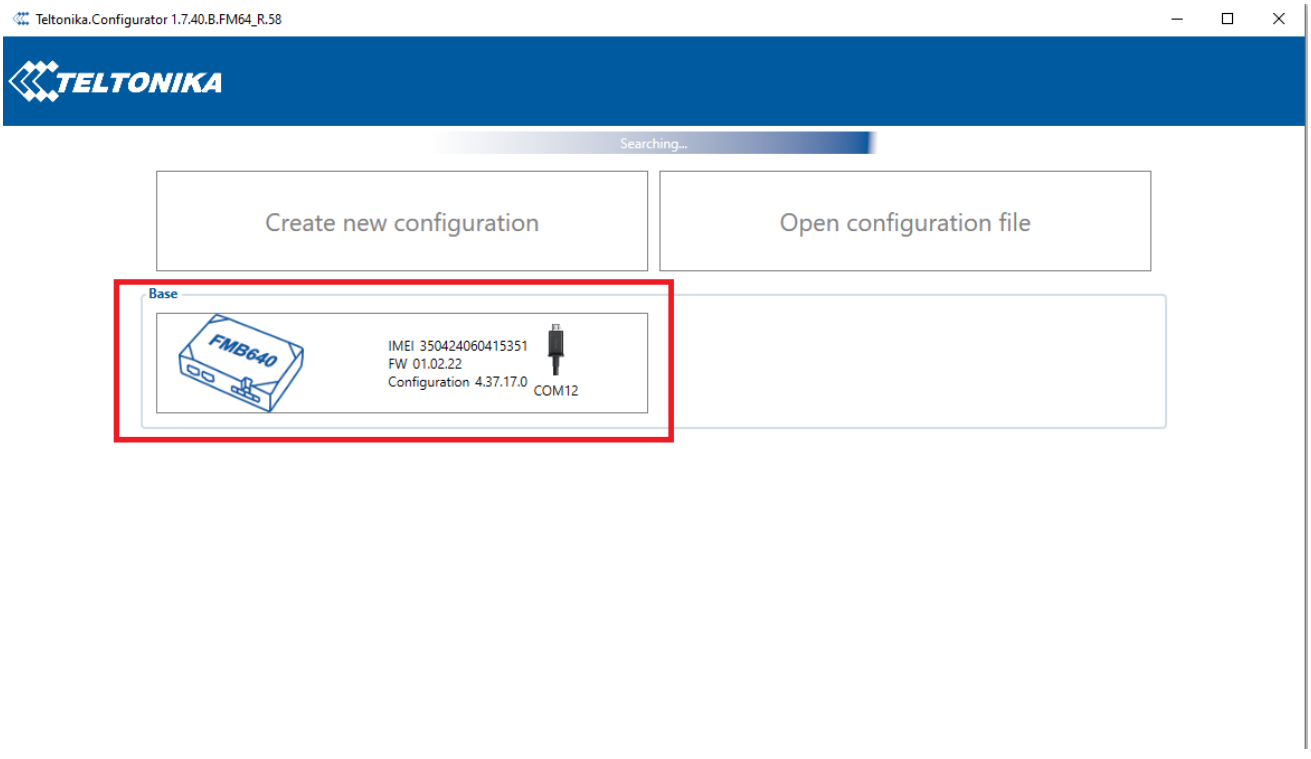

Figure 3 – Detecting trackers connected to a laptop

After we have found our tracker, we click on it. The start window opens, as shown in Figure 4.

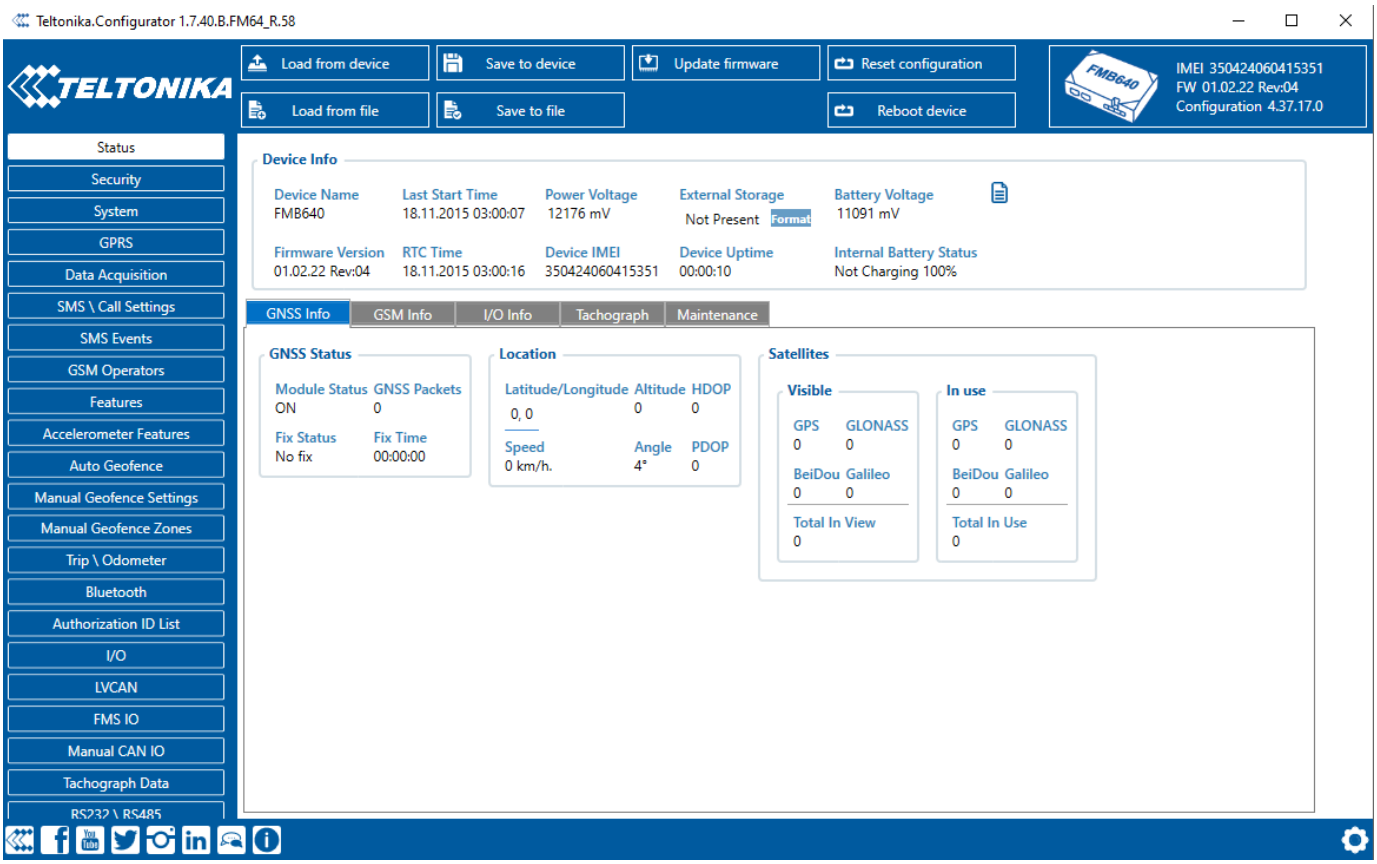

Figure 4 – Application start window

Next, click on the “I/O” tab, as shown in Figure 5.

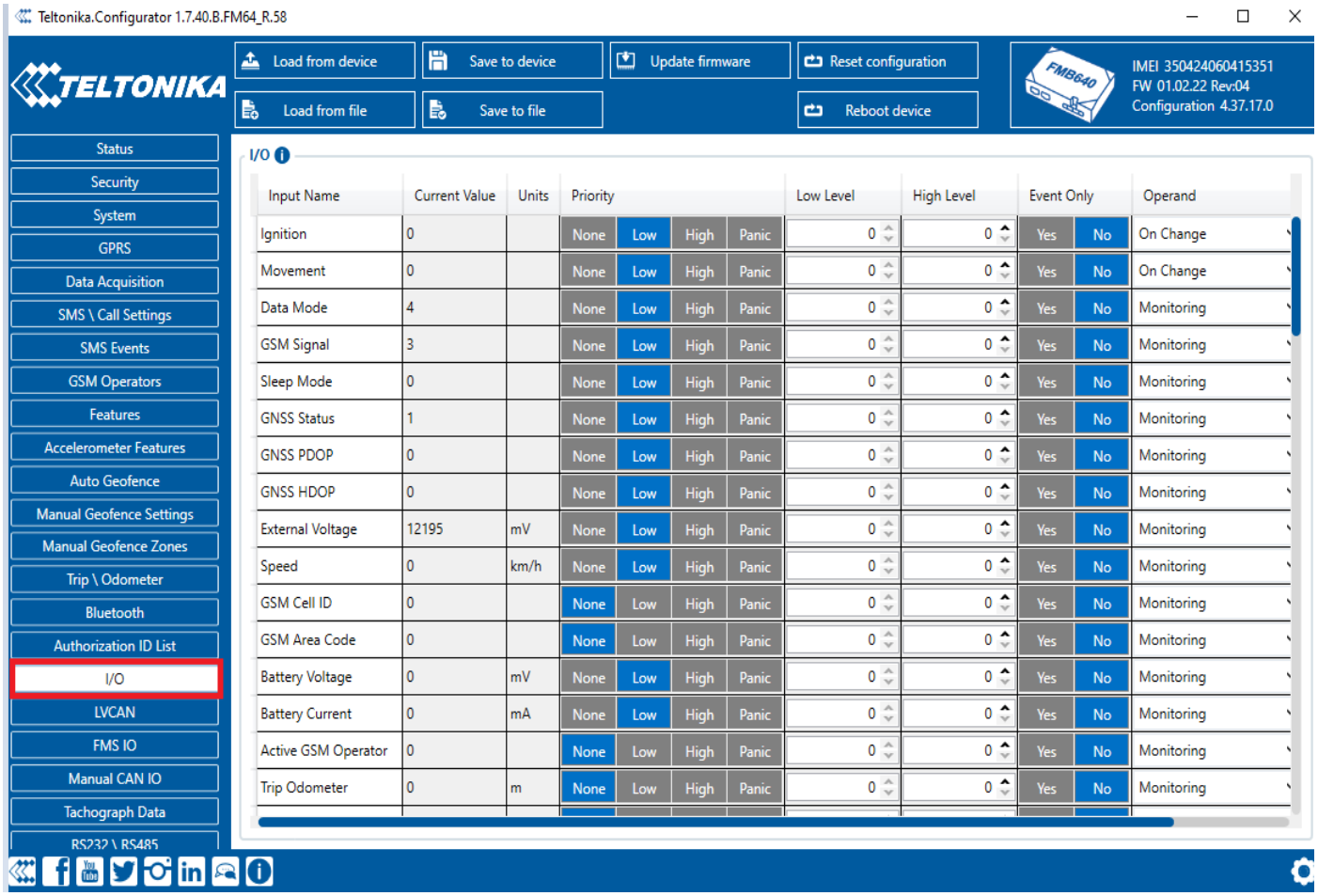

Figure 5 – I/O tab

In this tab, we go down a little lower and find the line “Analog Input 2”, in accordance with Figure 6. Our sensor is connected to this input; if we had connected the sensor to the tracker input “AIN 1”, we would have looked for the line “Analog Input 1” accordingly.

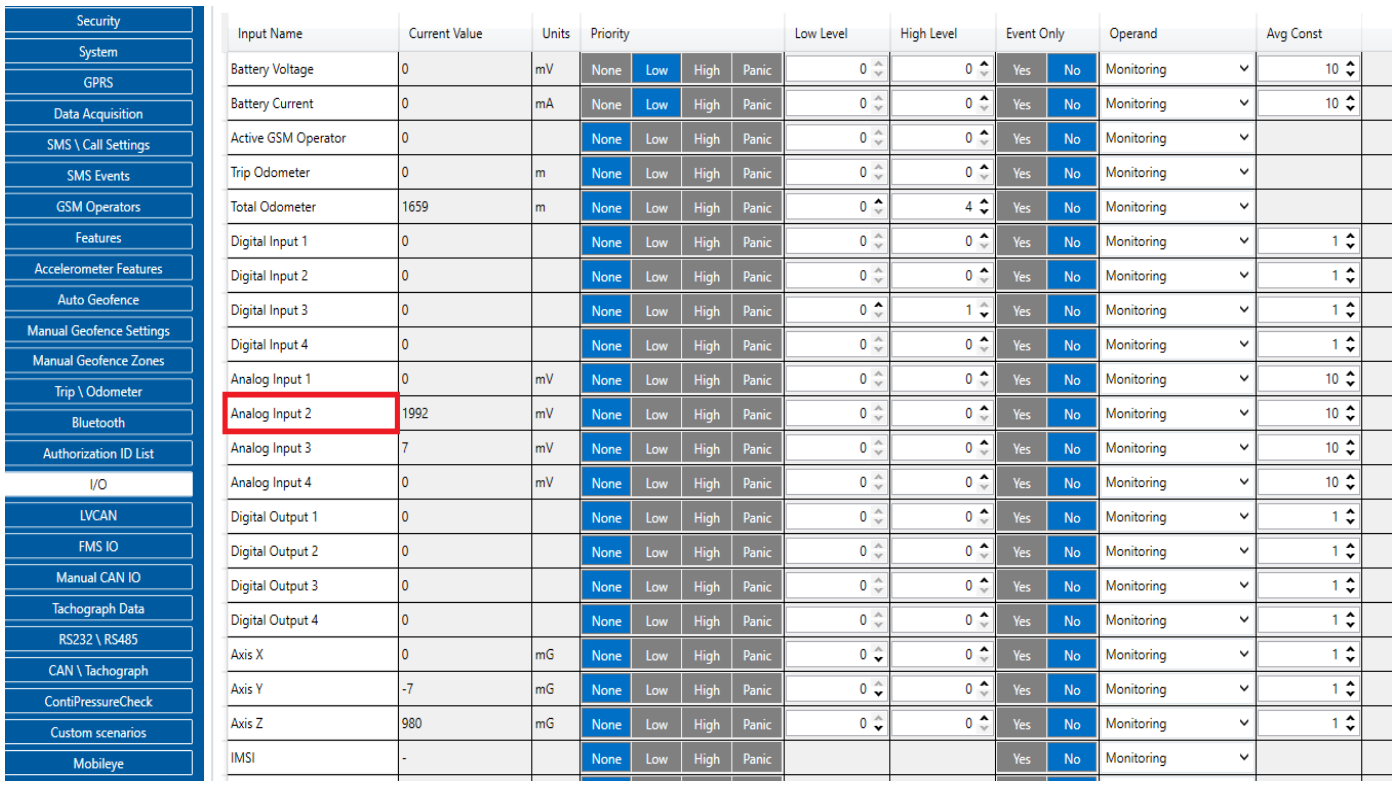

Figure 6 – Input of the connected sensor

Then we set up our input, for this we set “High” in the “Priority” column, and set “Monitoring” in the “Operand” column, in accordance with Figure 7.

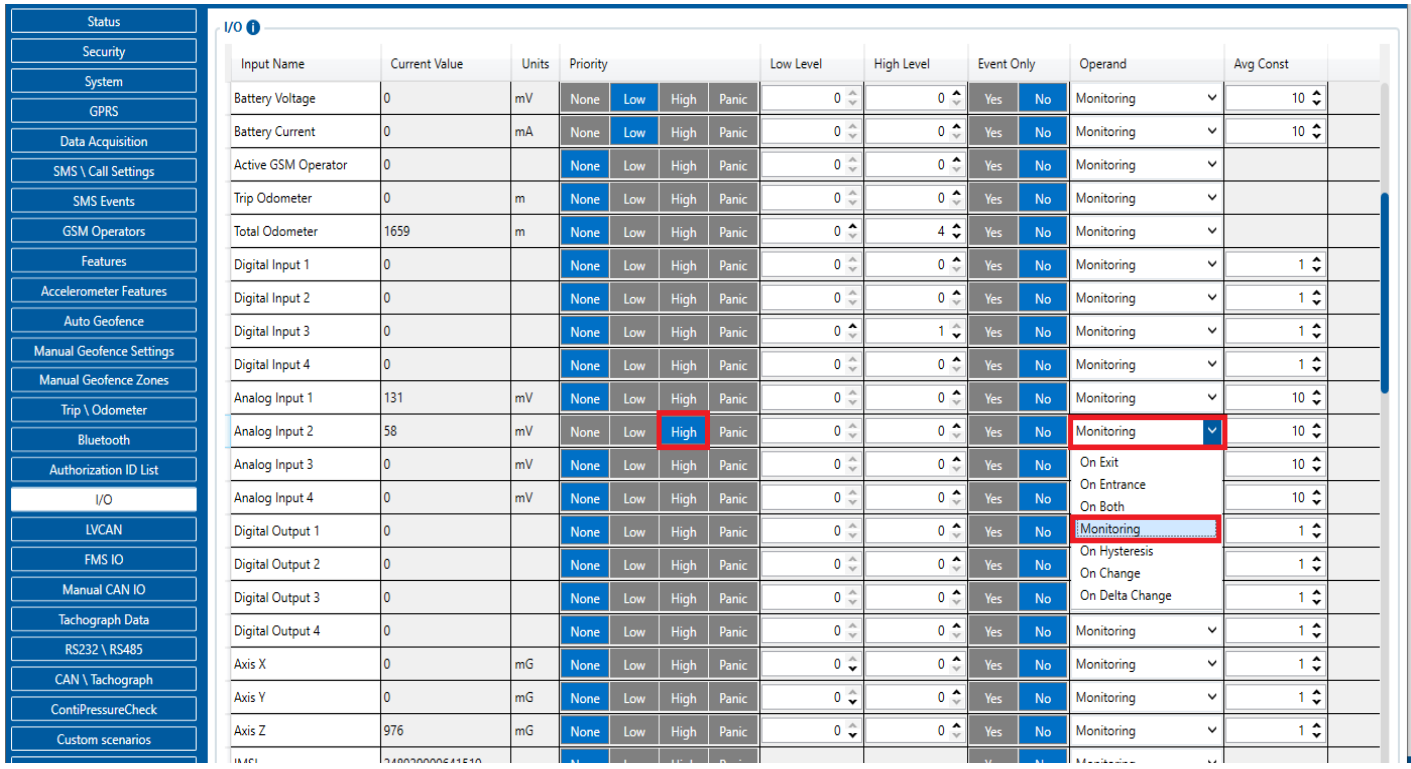

Figure 7 – Login settings

Then click “Save to device” to save the changes to the tracker, in accordance with Figure 8.

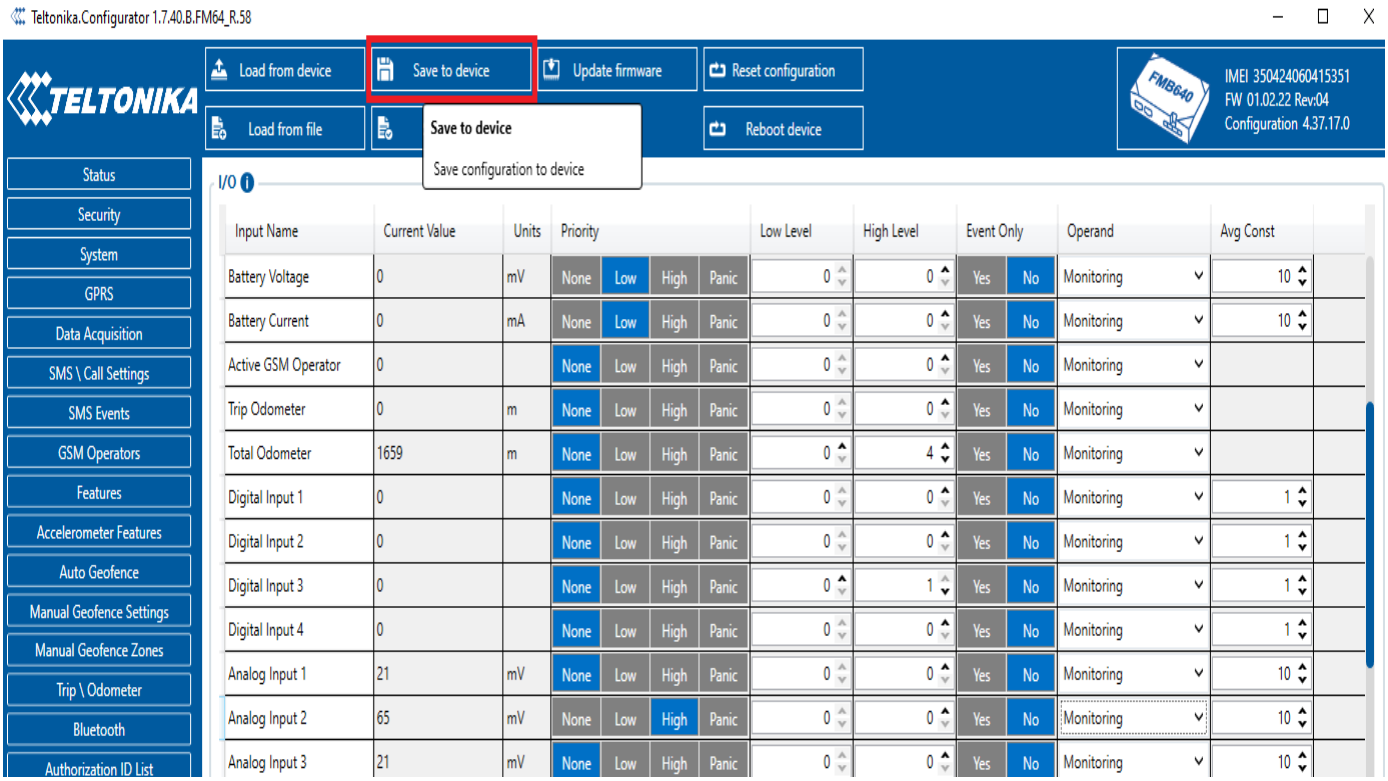

Figure 8 – Saving tracker settings

A window will appear informing you that the settings have been saved, click “OK” and disconnect from the tracker, in accordance with Figure 9.

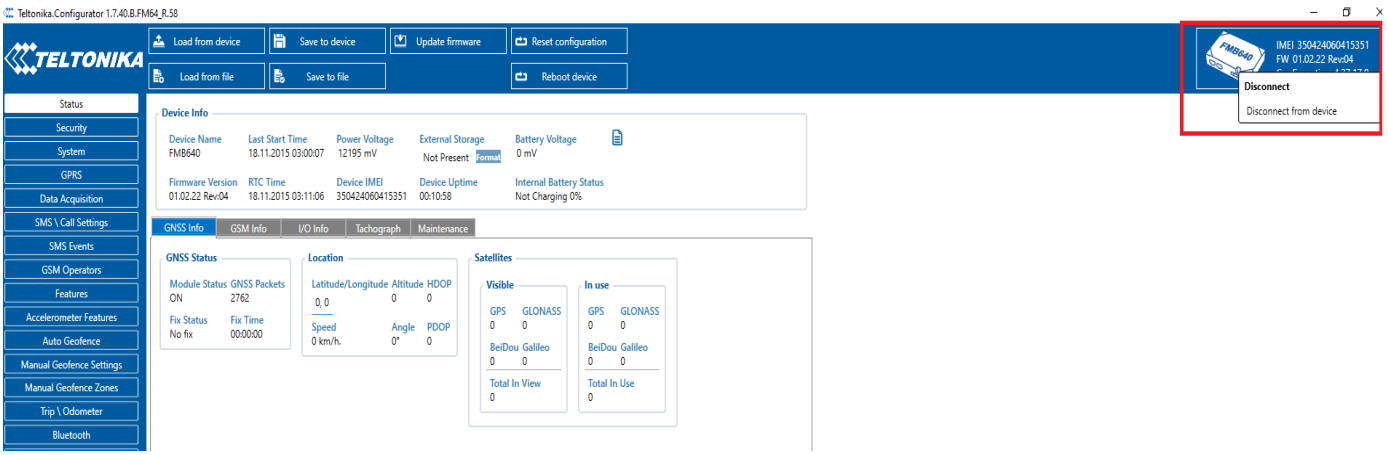

Figure 9 – Disconnecting from the tracker

At the end, we close the application, and perform further calibration and configuration through the monitoring platform.