Teltonika AVL packet parser user guide

This document is based on the description how to use the Teltonika AVL data parser pack. The archived pack is divided in to the four main parts:

- Teltonika.Data.Parser v1.3.0.0
- TcpListener v1.2.0.0
- UdpListener v1.2.0.0
- Teltonika.Parser (source code)

Teltonika data parser

Teltonika data parser is responsible for raw AVL data packet readout. To run the parsing software, please select the file: *Teltonika.DataParser.Client.exe* - **figure 1.**

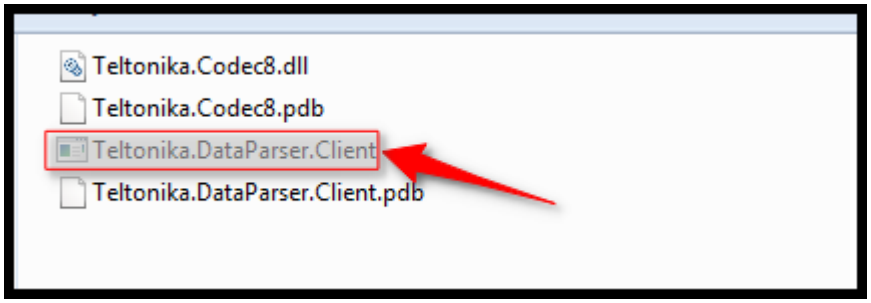
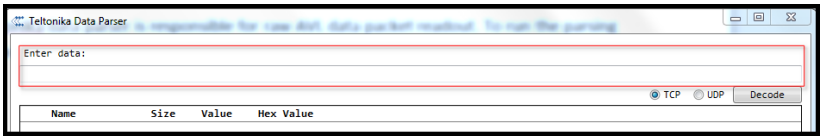


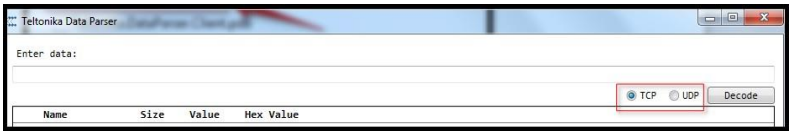
Figure 1 Parser application

After the software is opened, four information parts will be shown:

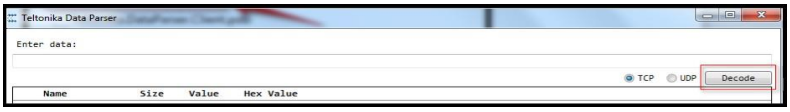
1. Raw AVL packet text area



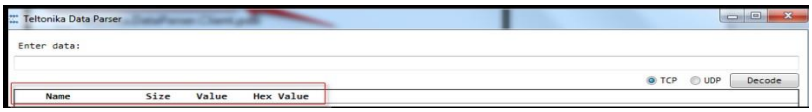
2. Protocol type: TCP/UDP



3. Parsing process activation – „Decode“



4. Information field: Name, size, value, max value



Paste Your AVL record in to the field „Enter data“, select which protocol was used to send record, and press „Decode“.

After parsing is done the table with description of each byte will appear. The selected data in the table will be marked in the AVL packet as red color, **figure 2.**

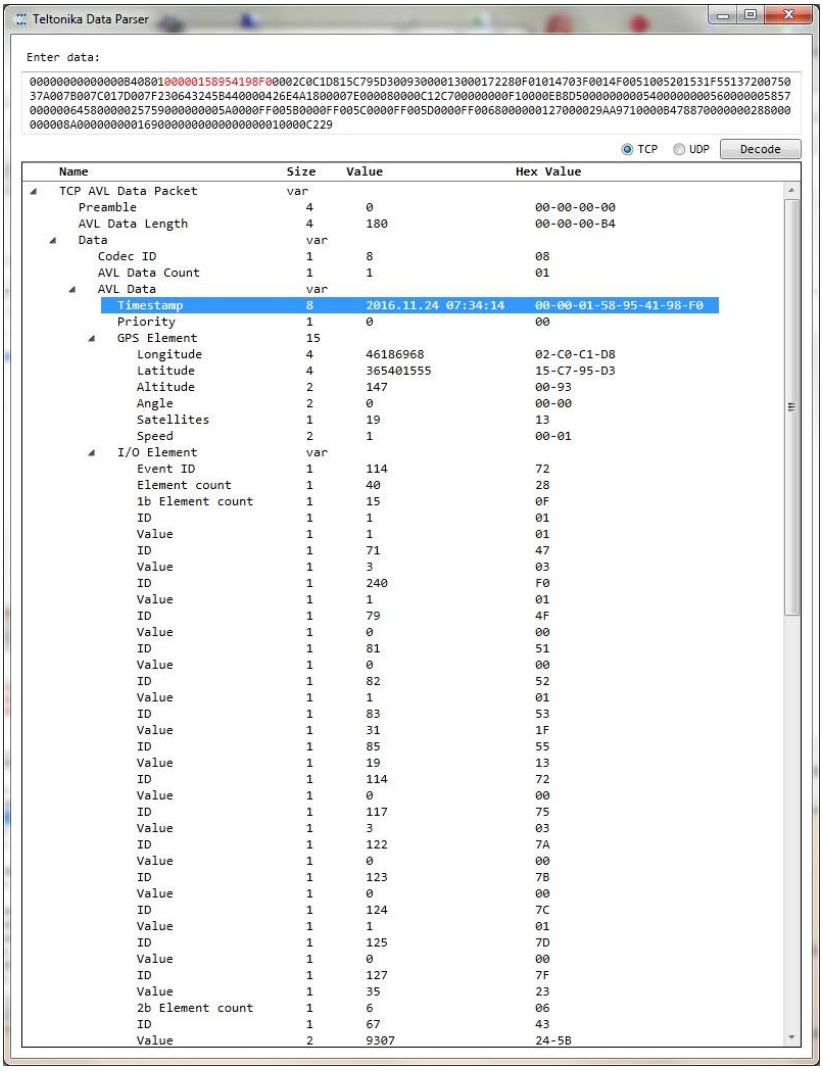


Figure 2 Teltonika data Parser application

Teltonika TCP and UDP listeners

Teltonika TCP and UDP listeners are responsible for incoming raw AVL data packets readout. To run TCP and UDP listeners, please select the file depending on the protocol: ***Tcp****ListenerApp.exe* - **figure 3** and **Udp**Listener.exe **figure 4**

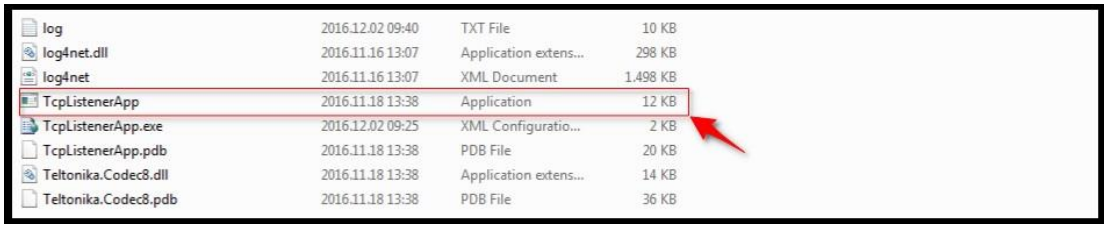


Figure 4 Tcp listener

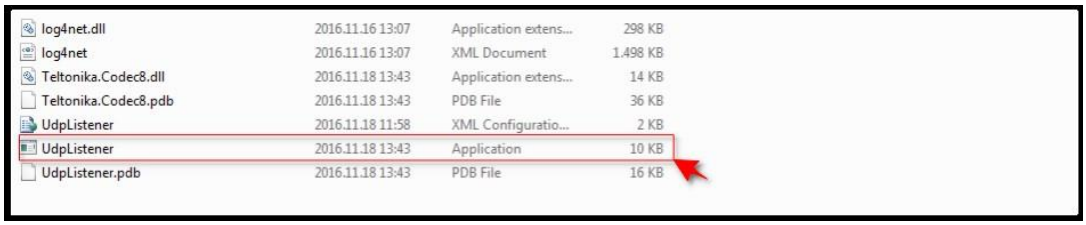


Figure 5 UDP listener

Before running TCP or UDP list network configuration has to be done. Please open „TcpListenerApp.exe.config“ and corresponding „UdpListener.config“ with „Notepad“ software, **Figure 6.**

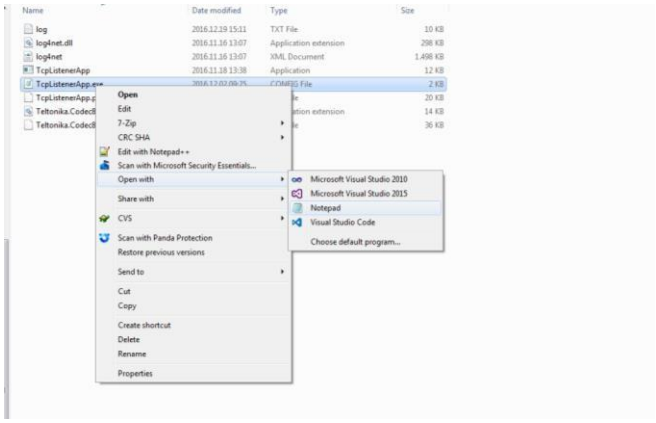


Figure 6 Network configuration file

In the opened window two parameters: „ipAddress“ and „port“ have to be changed. Port value need to be replaced with your opened port and IP value has to be left as 0.0.0.0 if You are not using multiple networks. Otherwise there You need to write Your IP address, **figure 7.**

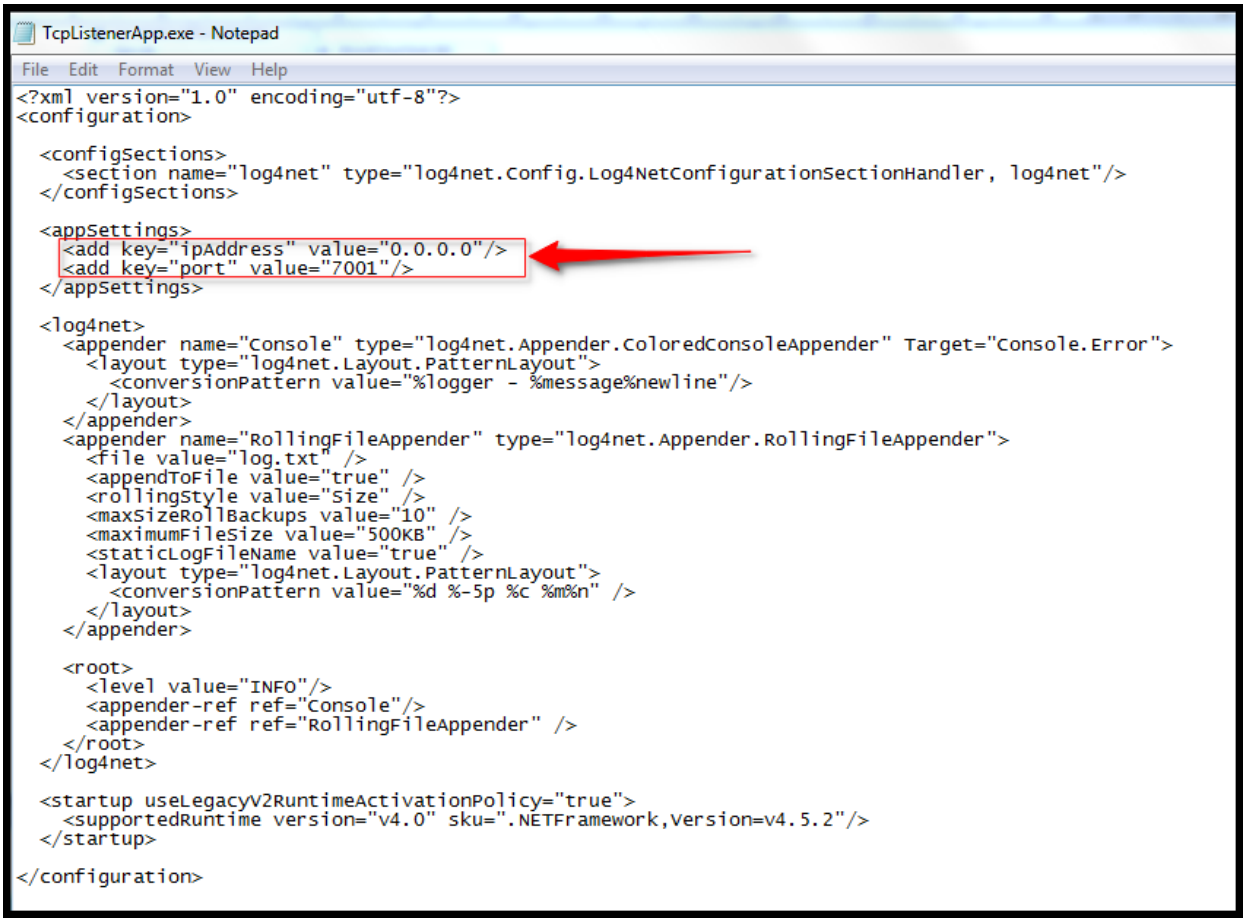


Figure 7 Network configuration

After configuration is done run TCP or UDP listener to monitor the incoming data. The final result should look like in the **figure 8**.

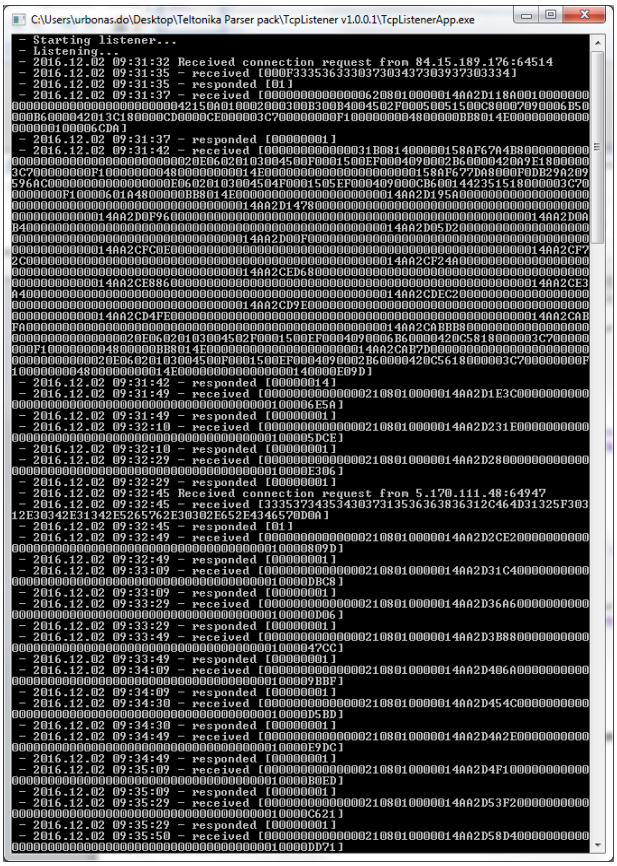


Figure 8 TCP/UDP listener software

Everything in the opened window will be also saved in to text file „log.txt“. You can easily copy packets data from txt.log and use it to parse in „Teltonika data parser“.