EVB-T3

Teseo III Evaluation Board

Quick Start Guide

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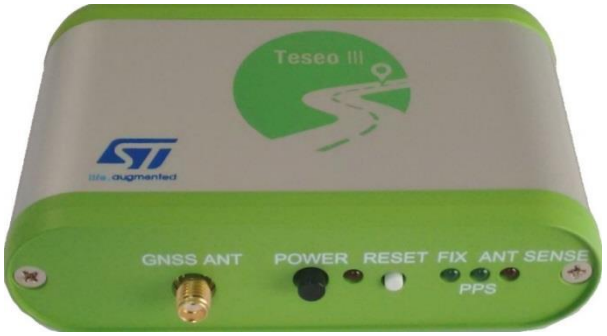
Introduction EVB-T3

- The **EVB-T3** evaluation board is a complete standalone evaluation platform for Teseo III GNSS IC receivers

- The **Teseo III** is a single die stand-alone positioning receiver IC Global Navigation Satellite System (GNSS) working on multiple constellations (GPS, GLONASS, Beidou, Galileo, QZSS)



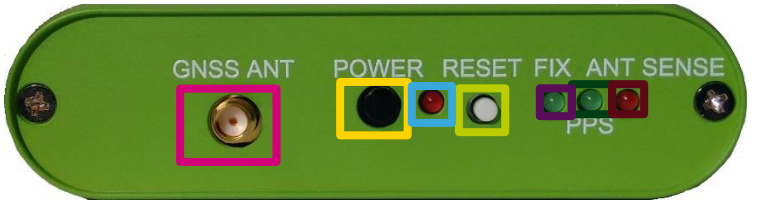
Top view

Front panel

Rear panel

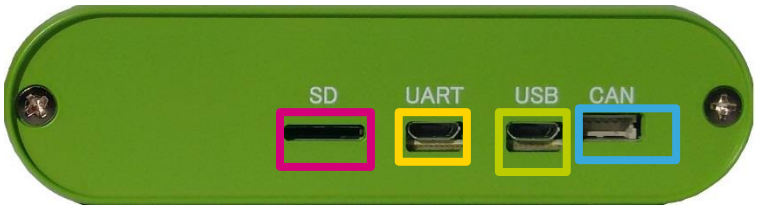
EVB-T3 – Front and Rear panels

- SMA Antenna Connector
- On/Off Switch button
- PWR Red LED
- Reset button
- Fix Green LED
- PPS Green LED
- Antenna Sense LED



Front panel

Rear panel



- uSD slot
- UART connector
- USB connector
- CAN connector

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Connect and start EVB-T3

1. Connect the USB cable between the PC USB and the EVB-T3 UART port
2. Connect the GNSS Antenna to the SMA input connector
3. Press the power on button
4. Verify that the Green PPS LED blinks

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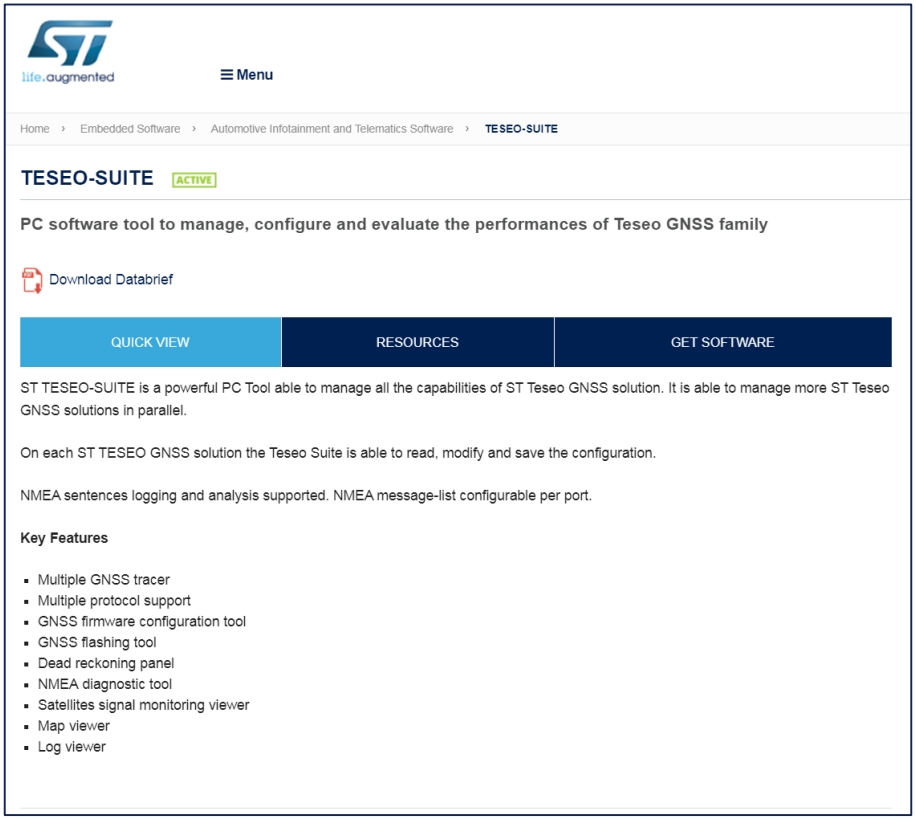
Install Teseo Suite Light and VCP Driver

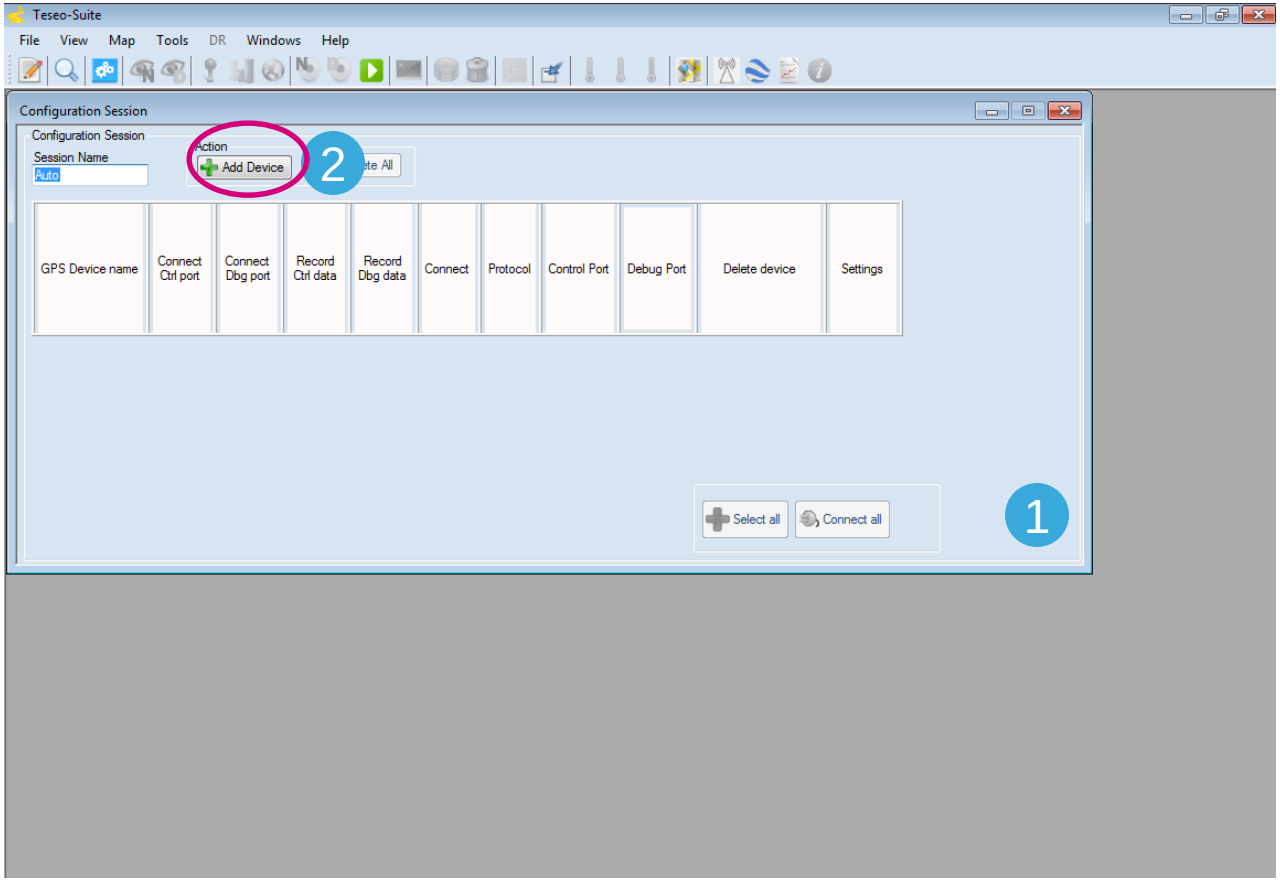
The **Teseo-Suite Light** is a powerful PC Tool able to manage the EVB-T3 evaluation board

- Download and install the ***Teseo Suite Light*** from www.st.com
- Download and install the **SiliconLabs VCP Driver** from www.silabs.com



Teseo Suite Light - Start

1. During the application start-up, the ***Configuration Session*** panel is shown
2. Click the '***Add Device***' button to add a new entry

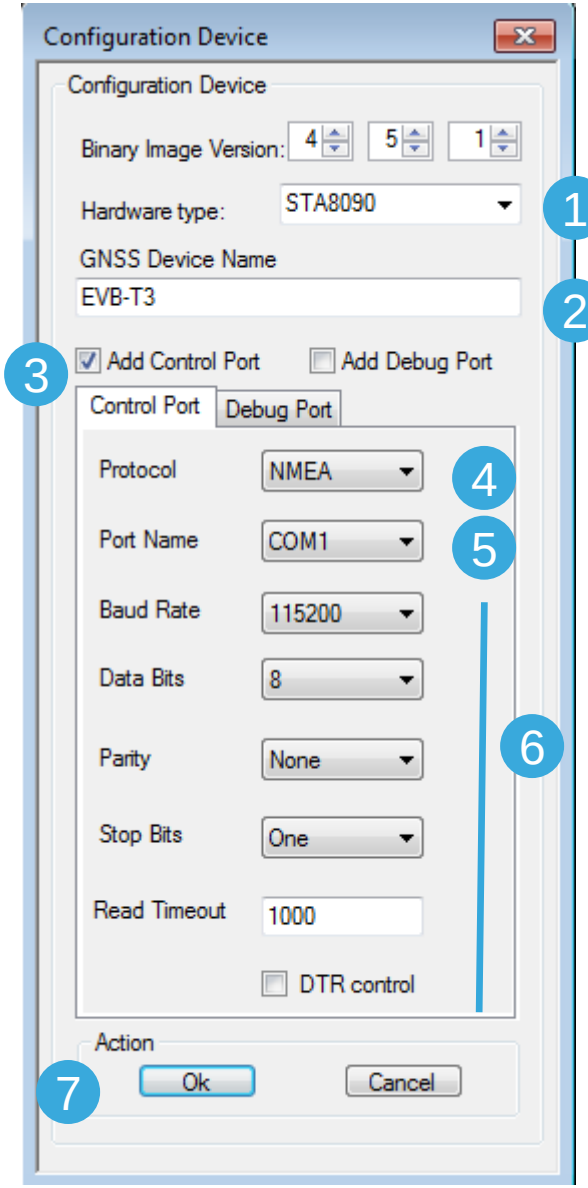


Teseo Suite Light – Configuration Device

1. Set the *Hardware type:* ***STA8090***
2. Set the *GNSS Device Name:* ***EVB-T3***
3. Enable *Add Control Port*
4. Set the *Protocol:* ***NMEA***
5. Set the *Port Name*: according to the discovered on the PC
6. Configure the port as following table:

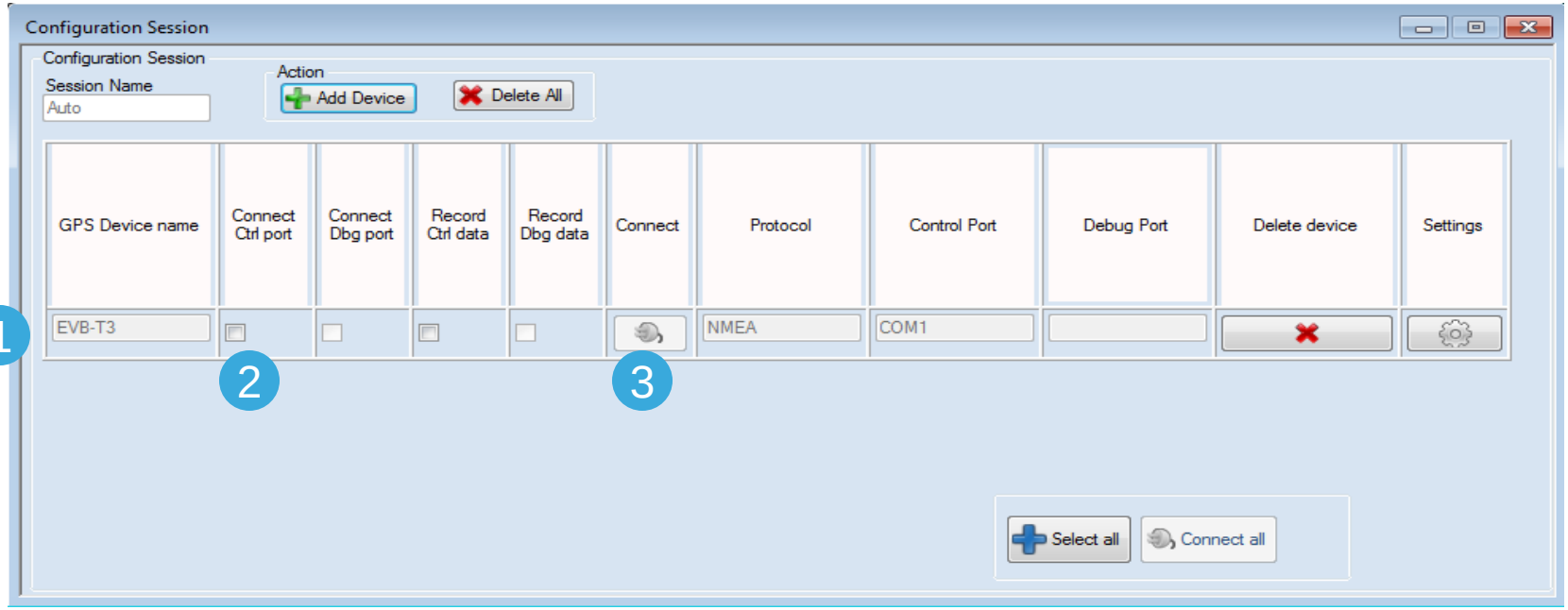
Baud rate	Data bits	Stop Bits	Parity	Handshake
11520bps	8 Bits	1 Bit	None	None

7. Click the *Ok* button



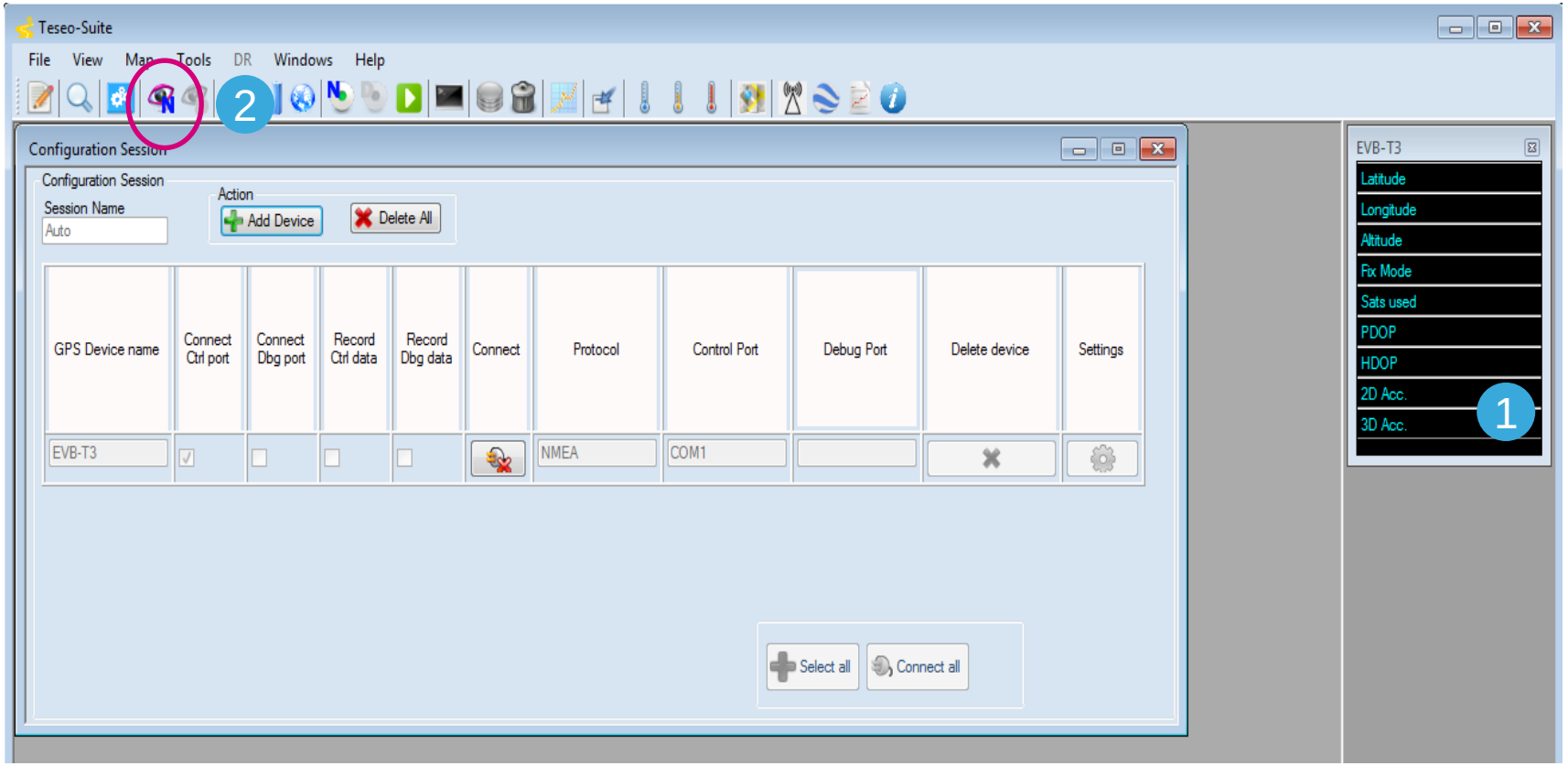
Teseo Suite Light – Connect the device

1. In the ***Configuration Session*** panel, a new entry (row) is shown
2. Enable ***Connect Ctrl port***
3. Click the ***Connect*** button



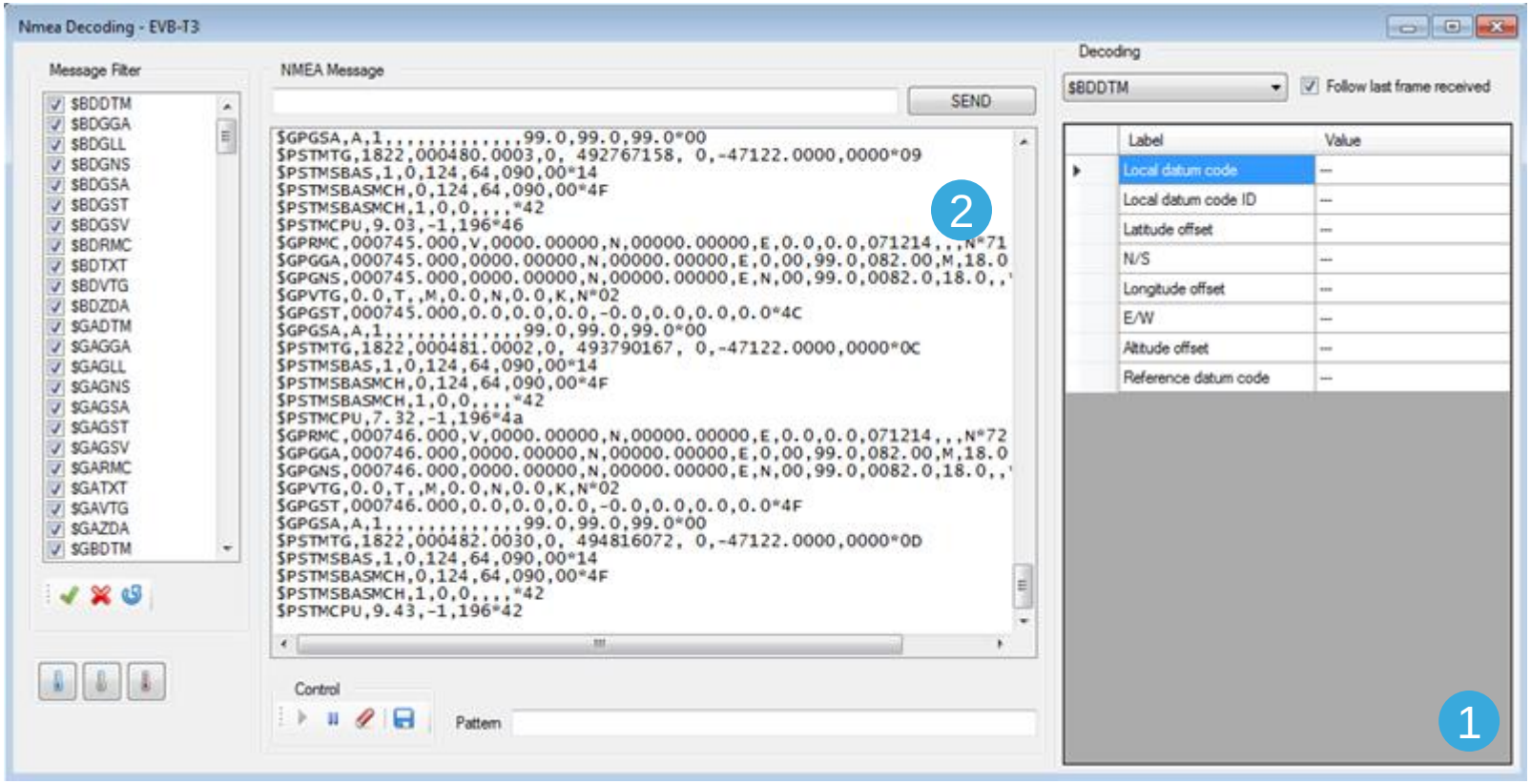
Teseo Suite Light – Device working

1. In the summary panel, the GNSS EVB-T3 state is reported
2. Click on the NMEA output window to inspect NMEA stream



Teseo Suite Light – Inspect Device

1. The NMEA Decoding panel is shown
2. The NMEA Stream can be seen and inspect



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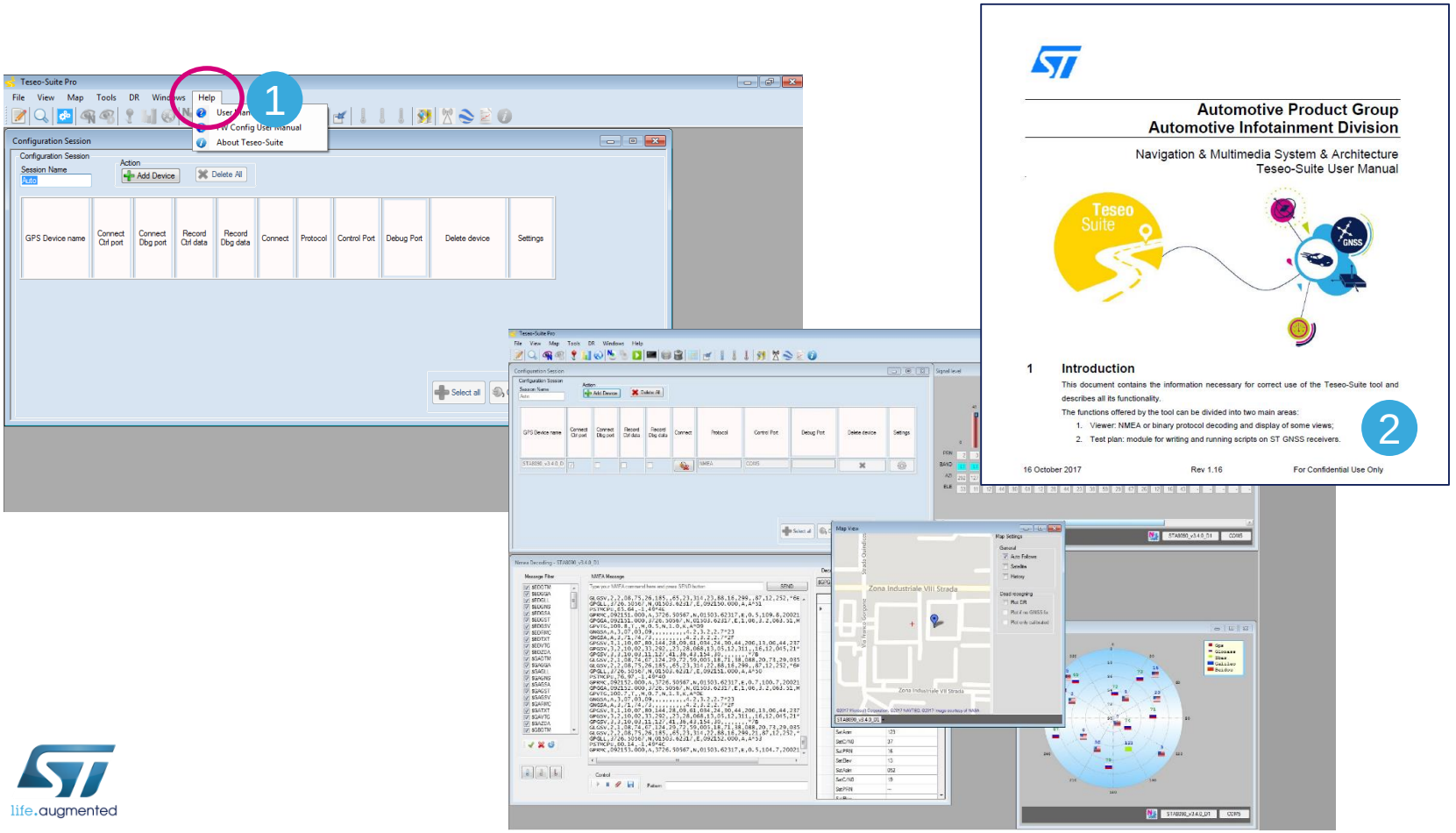
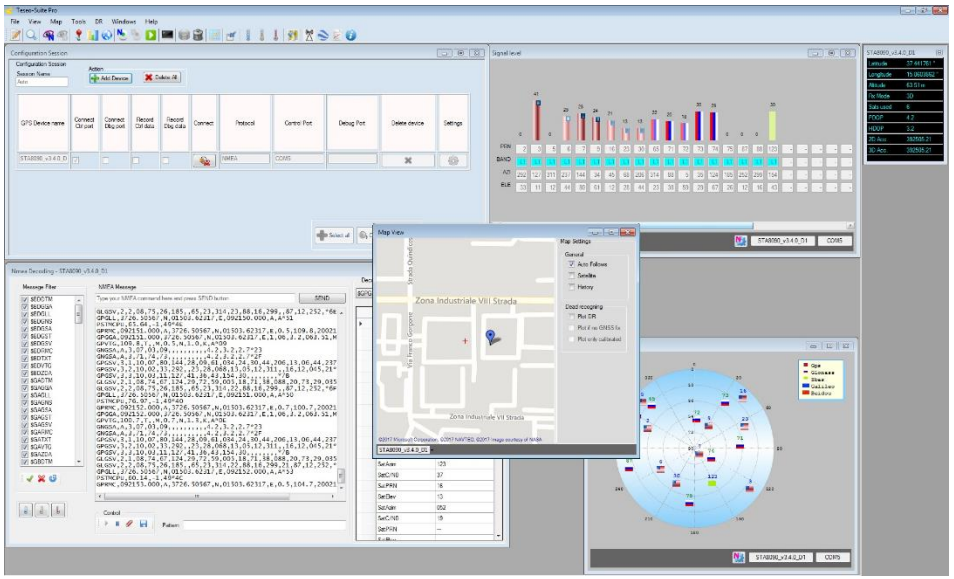
Teseo Suite Light – Extra features

1. Click *Help menu* to access User-Manual
2. The User-Manual provides detailed information



Enjoy with EVB-T3

Now you can enjoy the **EVB-T3** and explore all its features with the **Teseo-Suite Light**.



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Documents & related resources

All documents are available on:
www.st.com

- **Teseo III**: **Webpage**
  - Data-sheet of all PNs;
- **EVB-T3**: **Webpage**
  - Datasheet
- **Teseo Suite Light**: **Webpage**
  - Datasheet
  - Install program