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**)
EVB-T3 – Front and Rear panels

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

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](http://www.st.com)

- Download and install the **SiliconLabs VCP Driver** from [www.silabs.com](http://www.silabs.com)
1. During the application start-up, the **Configuration Session** panel is shown.
2. Click the ‘**Add Device**’ button to add a new entry.
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:

<table>
<thead>
<tr>
<th>Baud rate</th>
<th>Data bits</th>
<th>Stop Bits</th>
<th>Parity</th>
<th>Handshake</th>
</tr>
</thead>
<tbody>
<tr>
<td>115200bps</td>
<td>8 Bits</td>
<td>1 Bit</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>
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
1. In the summary panel, the GNSS EVB-T3 state is reported

2. Click on the NMEA output window to inspect NMEA stream
1. The NMEA Decoding panel is shown

2. The NMEA Stream can be seen and inspect
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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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