Teseo-Suite and STM32

Easy Teseo III Module management on STM32 board
ADG/Positioning
v. 2.0
Since version 5.2.3.3, Teseo-Suite fully manages the Teseo III module family through STM32F4 MCU (NUCLEO-F401RE)

Teseo-Suite contains STM32F4’s firmware to program STM32 device to:

- Stream NMEA coming from Teseo III module
- Upgrade the firmware on Teseo III module
1. Select “X-NUCLEO-GNSS1A1”

2. Click “Update my STM32-Nucleo board…”
Select the required STM32 firmware:

- xxx_FirmwareUpdateUART.bin: to perform a firmware update on Teseo III Module via the STM32_UART port
- xxx_FirmwareUpdateI2C.bin: to perform a firmware update on Teseo III Module via the STM32_I2C port
- xxx_I2CBridge.bin: to perform NMEA streaming coming from Teseo III Module via the STM32_I2C port
- xxx_UARTBridge.bin: to perform NMEA streaming coming from Teseo III Module via the STM32_UART port

Install the STM32 firmware
Add a new device via the STM32-COM port

1. Add a new device via the STM32-COM port.
1. Open the COM port with the STM32 device
2. Configure the COM port
3. Use the settings required for the STM32-COM port

### Configuration

<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>

Now you can use the Nucleo-STM32 + X-NUCLEO-GNSS1A1 like any standard Teseo III Evaluation
Documents & related resources

All documents are available on: www.st.com

- Teseo-LIV3F: Webpage
  - Datasheet
  - User Manuals

- X-Nucleo-GNSS1A1: Webpage
  - Datasheet

- Teseo-Suite: Webpage
  - Datasheet
  - Install program