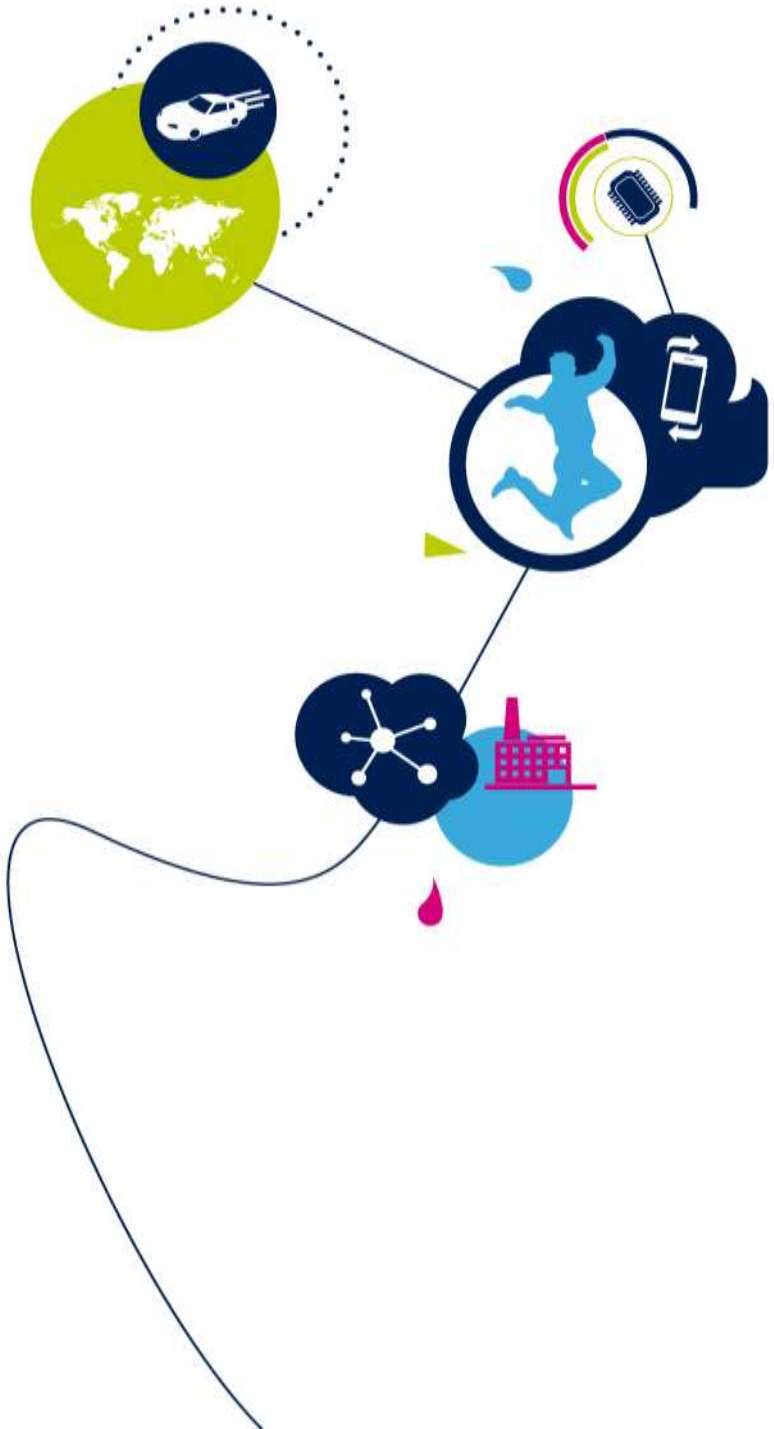

Teseo-Suite and STM32

Easy Teseo III Module management on STM32 board

ADG/Positioning

v. 1.0

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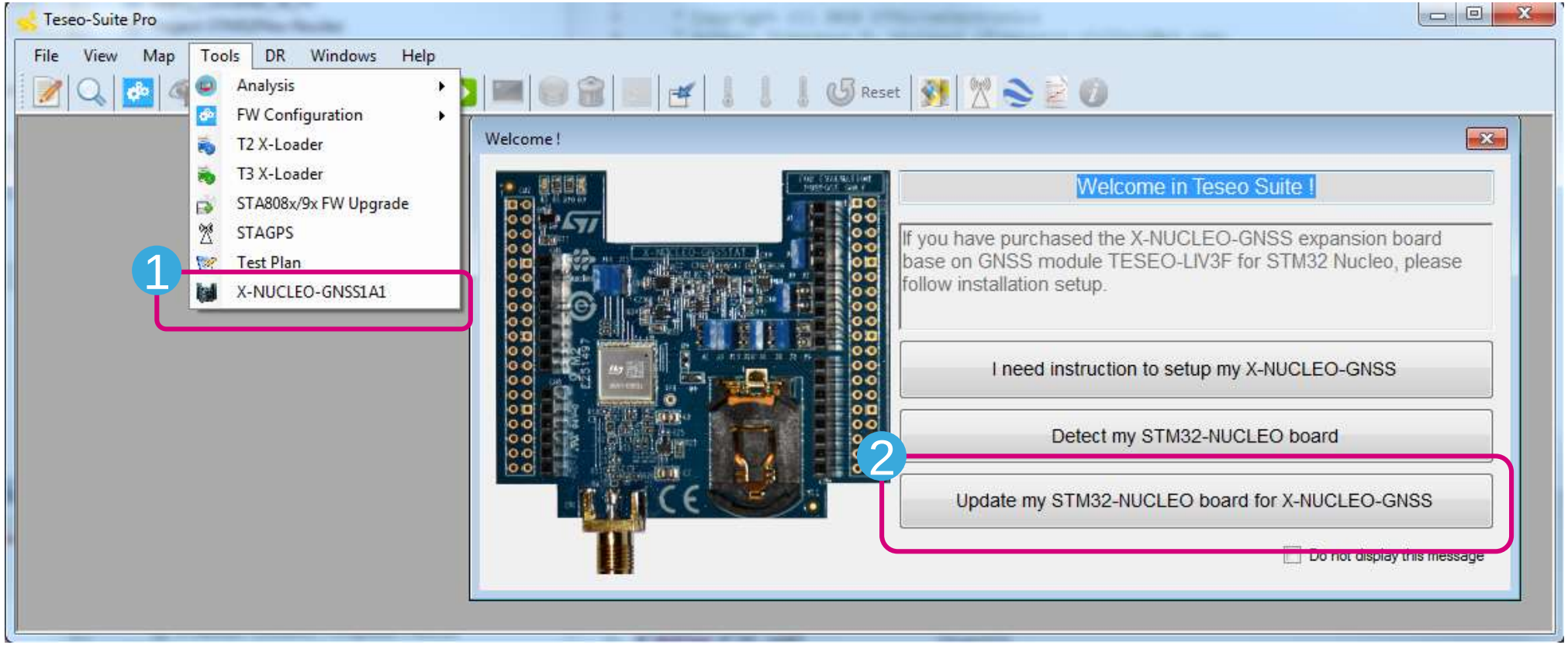
Teseo-Suite and STM32

- 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

X-NUCLEO on Teseo-Suite

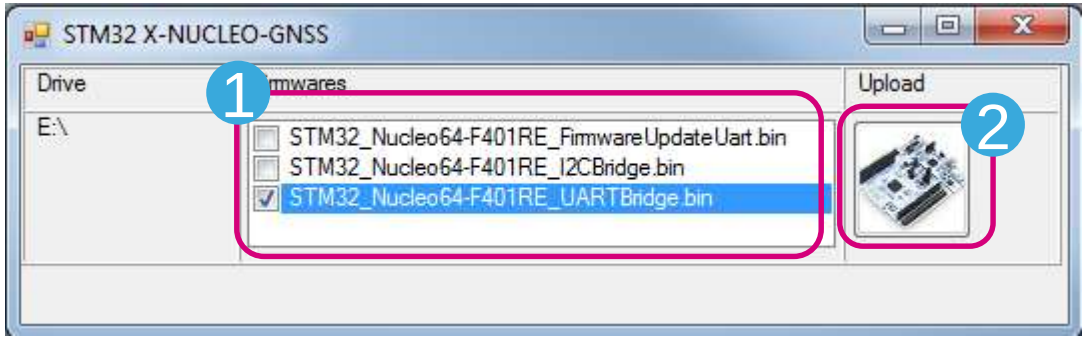
1. Select “X-NUCLEO-GNSS1A1”
2. Click “*Update my STM32-Nucleo board…*”



Select STM32 firmware

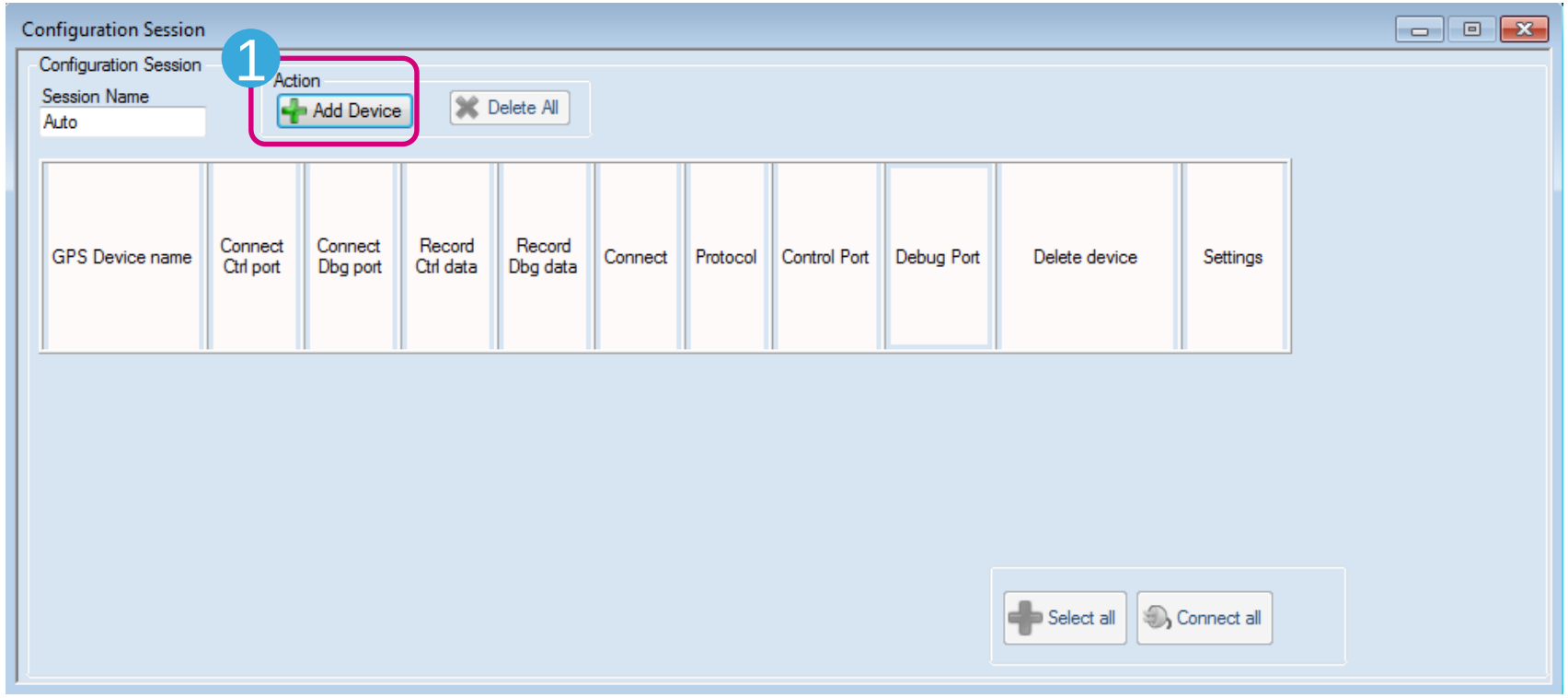
1. Select the required STM32 firmware:
   - *xxx*_**FirmwareUpdateUART.bin**: to perform a firmware update on Teseo III Module via the STM32.UART port
   - *xxx*_**I2CBridge.bin**: to perform NMEA streaming coming from Teseo III Module via the STM32.I2C port
   - *xxx*_**UARTBridge.bin**: to perform NMEA streaming coming from Teseo III Module via the STM32.UART port

2. Install the STM32 firmware



Add a new device

1. Add a new Device via the STM32-COM port

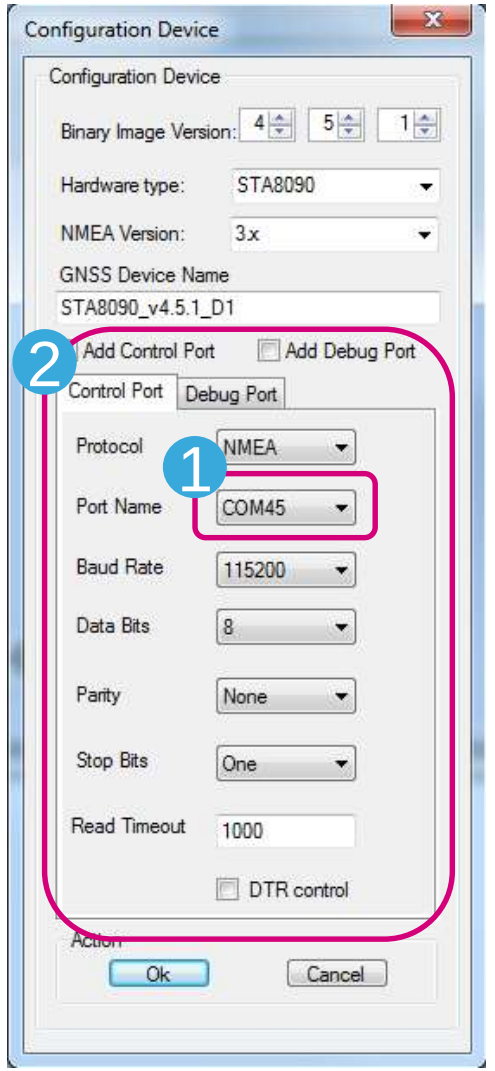


Configure the STM32-COM port

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

3

Baud rate	Data bits	Stop Bits	Parity	Handshake
115200bps	8 Bits	1 Bit	None	None



Now you can use the Nucleo-STM32 + X-NUCLEO-GNSS1A1 like any standard Teseo III Evaluation board

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

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