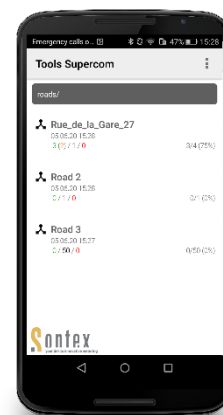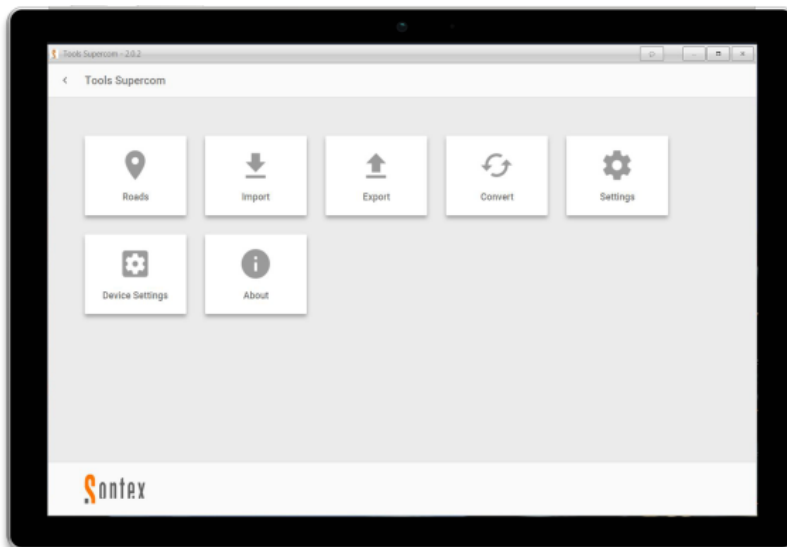# Tools Supercom

**Software and App for mobile readout and configuration of smart meters**

## Application

The Sontex software **Tools Supercom** is an easy to use and intuitive PC software and Android App. It is designed for walk-by readout and configuration of system components and smart meters.
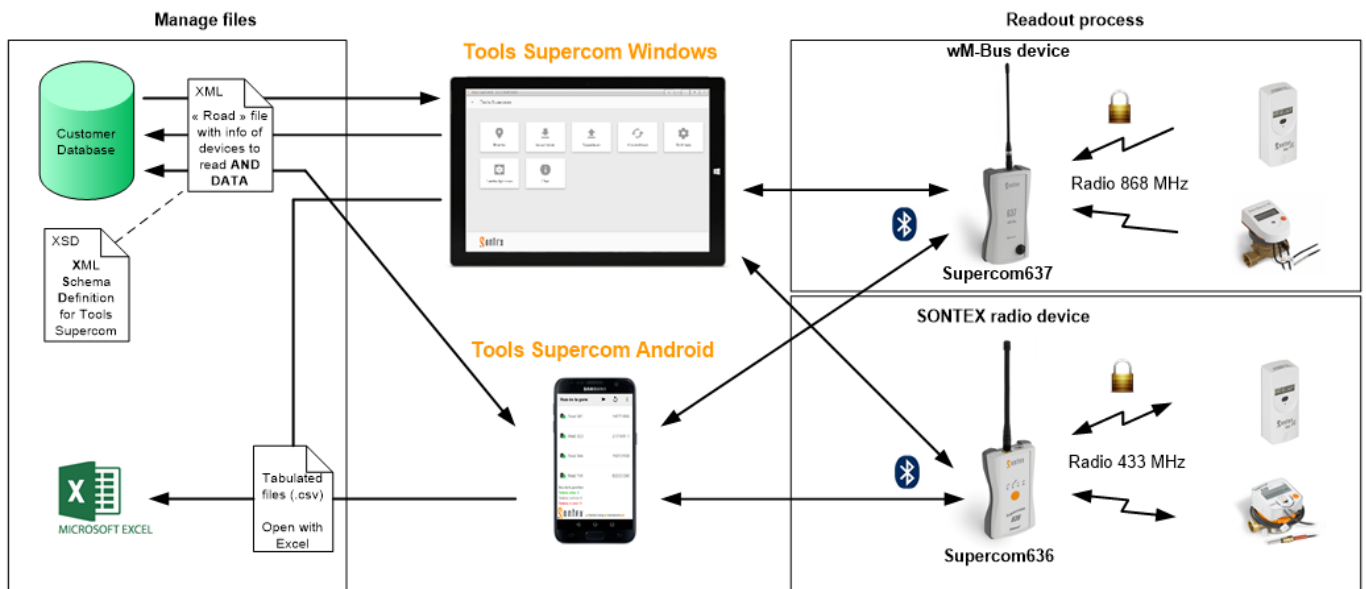It runs on:
- Windows OS for PCs or tablets
- Android OS for smartphones or tablets

Both, the software and the App, support the 2 models of radio modems:
- Supercom 636 for SONTEX radio devices 433 MHz
- Supercom 637 for wM-Bus and OMS devices 868 MHz

## Readout concept

## Tools Supercom Windows

The Software **Tools Supercom Windows** has a simple and logical icon-based navigation that makes the application very easy to use. The application offers multiple features which make the handling data simple, fast, and easy.

The software comes in two editions, one having additional features:
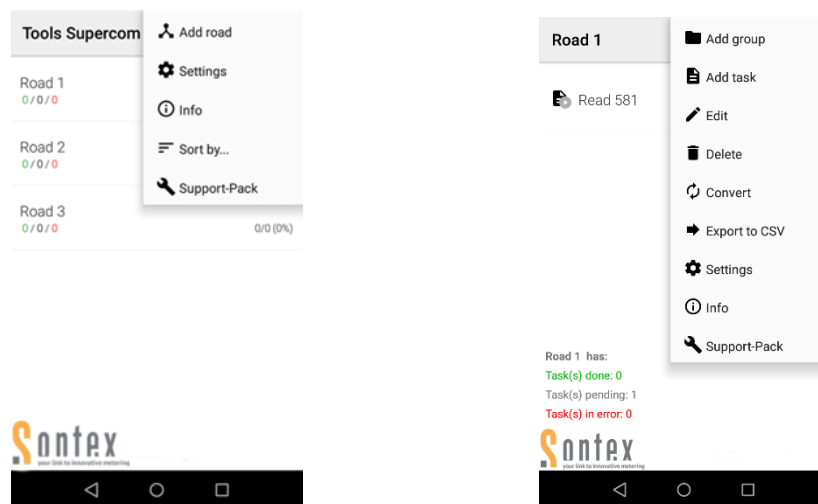- **Basic**
- **Professional**

Short features overview for the Basic and **Professional** levels (Version 2.5.x):

| | Basic | Pro |
|---|---|---|
| Support of the Supercom 636 modem (SONTEX radio) | ✓ | ✓ |
| Readout of SONTEX radio devices | ✓ | ✓ |
| Parametrisation of SONTEX radio devices | ✓ | ✓ |
| Support of the Supercom 637 wM-Bus and OMS modem | ✓ | ✓ |
| Readout of Sontex wM-Bus and OMS devices | ✓ | ✓ |
| Three global AES-128 keys | ✓ | ✓ |
| Detailed road information in roads view | ✓ | ✓ |
| Editing of tasks | ✓ | ✓ |
| Filtering of tasks in the road | ✓ | ✓ |
| Copy&paste and drag&drop over multiple roads | ✓ | ✓ |
| Road conversion (param<->read) | ✓ | ✓ |
| Sorting of road files | ✓ | ✓ |
| Filtering of road files | ✓ | ✓ |
| Multi-editing | ✓ | ✓ |
| Manual fall back of failed read task on selected devices | ✓ | ✓ |
| Editing of Sontex 556 and 566 LCD sequence | ✓ | ✓ |
| Export readouts to csv files | ✓ | ✓ |
| Internationalisation (EN, DE, FR, IT) | ✓ | ✓ |
| Update check | ✓ | ✓ |
| Direct update from Tools Supercom | ✓ | ✓ |
| Search task for a specific OMS device | ✖ | ✓ |
| Scan of OMS devices | ✖ | ✓ |
| Individual AES-128 keys | ✖ | ✓ |
| Support of the OMS Key Exchange file format | ✖ | ✓ |
| Download of AES keys from Exchange platform.app | ✖ | ✓ |
| Decryption of tasks/roads after a readout | ✖ | ✓ |
| Templates | ✖ | ✓ |

## Tools Supercom Android

The App **Tools Supercom Android** changes your smartphone into an efficient readout tool using its Bluetooth connection and offering multiple features.
The App Tools Supercom Android has simple and logical main and road menus with several possibilities to create and edit tasks.



Short features overview (Version 3.0.x):

|  | Android |
|---|:---:|
| Support of the Supercom 636 modem (SONTEX radio) | ✓ |
| Readout of SONTEX radio devices | ✓ |
| Parametrisation of SONTEX radio devices | ✓ |
| Support of the Supercom 637 wM-Bus and OMS modem | ✓ |
| Readout of Sontex wM-Bus and OMS devices | ✓ |
| Three global AES-128 keys | ✓ |
| Maximum recommended number of tasks per road: 1000 | ✓ |
| Same road file format as Tools Supercom Windows | ✓ |
| Detailed road information in roads view | ✓ |
| Road conversion (param<->read) | ✓ |
| Sorting of road files | ✓ |
| Editing of tasks | ✓ |
| Editing of 556 LCD sequence | ✓ |
| Coloured task state and warning | ✓ |
| Displaying of the readout results | ✓ |
| Export readouts to csv file | ✓ |
| Internationalisation (EN, DE, FR, IT) | ✓ |
| Scan of OMS devices | ✓ |
| Individual AES-128 keys | ✓ |
| Support of the OMS Key Exchange file format | ✓ |
| Download of AES keys from exchange-platform.app | ✓ |
| Decryption of tasks/roads after a readout | ✓ |
| Task creation from QR-code | ✓ |
| License installation from QR-code | ✓ |
| Road location support (display, name suggestion) | ✓ |

## Software and hardware requirements

For the **Windows** version the following hardware and software are needed:
- PC or tablet with: Windows 7 or 10 32/64 bits
- 2 GB memory (RAM)
- Screen resolution of 1024x768 pixels
- Supercom 636 and/or Supercom 637 radio modem
- Bluetooth or USB port connection to connect the radio modem
- Supercom 636
- Bluetooth connection to connect to the radio modem Supercom 637

For the **Android** version the following hardware and software are needed:
- Android device with minimum installed platform version 4.1.x (Jelly Bean)
- 2 GB memory (RAM)
- Minimum 100 MB free internal Memory for up to 4 roads at maximum. More internal memory depending on the size and quantities of roads
- CPU quad-core 1.3 GHz (better octa-core)
- Screen resolution of 720x1280 pixels
- Supercom 636 and/or Supercom 637 radio modem
- Bluetooth connection to connect the Sontex radio modem Supercom 636 and/or Supercom 637
- Windows PC for copying the App and road files to the Android device,though the App can be downloaded from the Sontex Extranet directly

The Tools Supercom Android App 1.3.0 was successfully tested on following devices:

| Model | Android Version | Display Size | Resolution Pixel | Processor | Internal Memory | RAM |
|---|---|---|---|---|---|---|
| HTC 10 * | 7.0 | 5.2" | 1440 x 2560 | Quad-core 2.2 GHz | 32 GB | 4 GB |
| HTC One A9 | 7.0 | 5.0" | 1080 x 1920 | Octa-core (4 x 1.5 GHz + 4 x 1.2 GHz) | 16 GB | 2 GB |
| HTC One M8 * | 6.0 | 5.0" | 1080 x 1920 | Quad-core 2.3 GHz | 16 GB | 2 GB |
| Huawei P8 lite (ALE-L21) | 6.0 | 5.0" | 720 x 1280 | Octa-core 1.2 GHz | 16 GB | 2 GB |
| Huawei P9 (VNS-L21) | 6.0 | 5.2" | 1080 x 1920 | Octa-core (4 x 2.5 GHz + 4 x 1.8 GHz) | 32 GB | 3 GB |
| Huawei Y6II Compact * | 5.1 | 5.5" | 720 x 1280 | Quad-core 1.3 GHz | 16 GB | 2 GB |
| Nokia 8 | 8.1 | 5.3" | 1440 x 2560 | Octa-core (4 x 2.5 GHz + 4 x 1.8 GHz) | 128 GB | 6 GB |
| Samsung Galaxy tab A | 7.0 | 10.1" | 1920 x 1200 | Octa-core 1.6 GHz | 16 GB | 2 GB |
| Samsung Galaxy S8 | 7.0 | 5.8" | 1440 x 2960 | Octa-core 2.3 GHz | 64 GB | 4 GB |
| Samsung Galaxy xCover 4 * | 7.0 | 5.0" | 720 x 1280 | Quad-core 1.4 GHz | 16 GB | 2 GB |
| Sony Xperia Z5 | 7.1.1 | 5.2" | 1080 x 1920 | Octa-core (4 x 1.5 GHz + 4 x 2.0 GHz) | 32 GB | 2 GB |

*(\*) It is not recommended to use the export function for roads over 500 devices.*

**Technical Support**
For technical support, please contact your local Sontex agent or Sontex SA directly.

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Specifications are subject to change without notice.

       DS_Tools Supercom_V05_2006

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