

iSMA Tool

Working with iSMA-B-FCU controller

User Manual

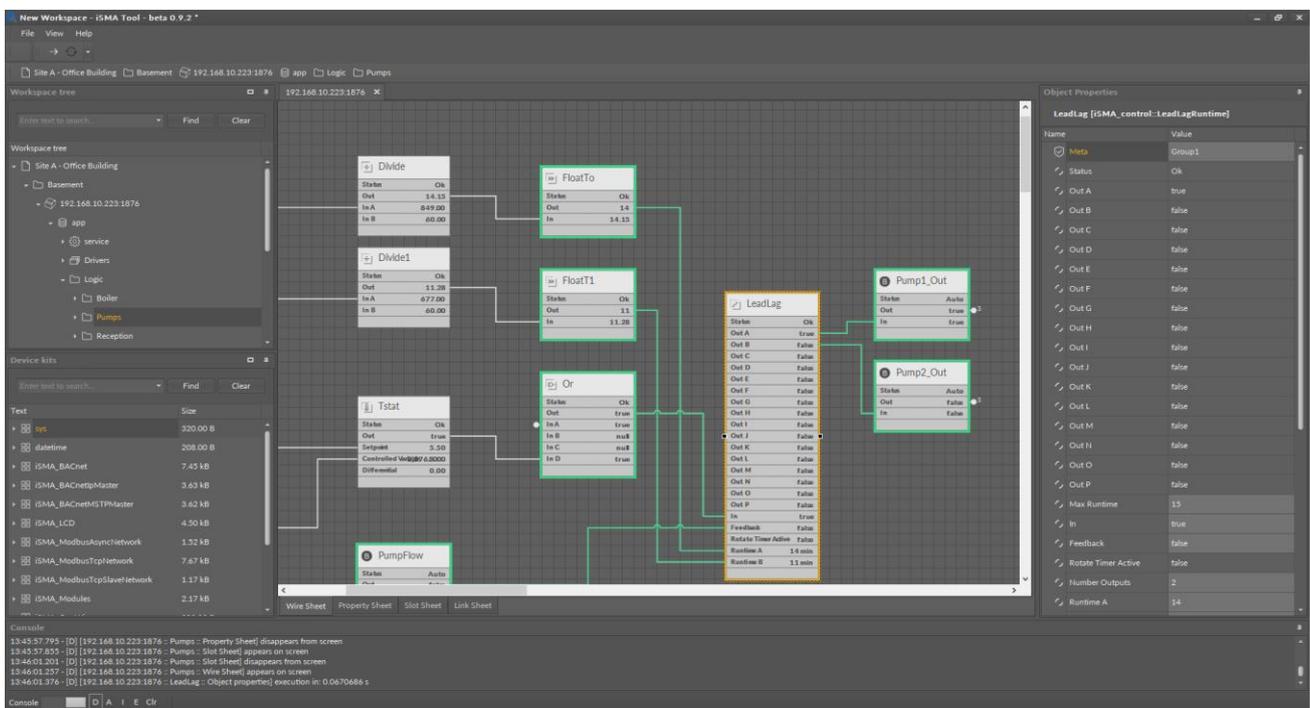


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1. Software requirements

iSMA Tool requires connection with FCU using dedicated software - "FCU Updater". The latest software can be downloaded from here:

<https://support.gc5.pl/iSMA-B-FCU/Software%20Bundle/>

Windows compatibility – FCU Updater is an application intended for Windows Operating System only, which can be run on Windows 7, 8 and 10 series.

WARNING! To use all features of FCU Updater the latest Oracle Java 32-bit is required.

Please, download the latest Java software from Oracle Download website first.

2. SOX Protocol

In order to establish connection between iSMA-B-FCU controller and iSMA Tool, the SOX connection needs to be open.

The SOX function allows programming of iSMA-B-FCU controller online (real-time). The controller must be connected directly via USB cable. The 'SOX' button is always enabled each time the USB cable is connected directly to iSMA-B-FCU controller and opening of any project is not required.

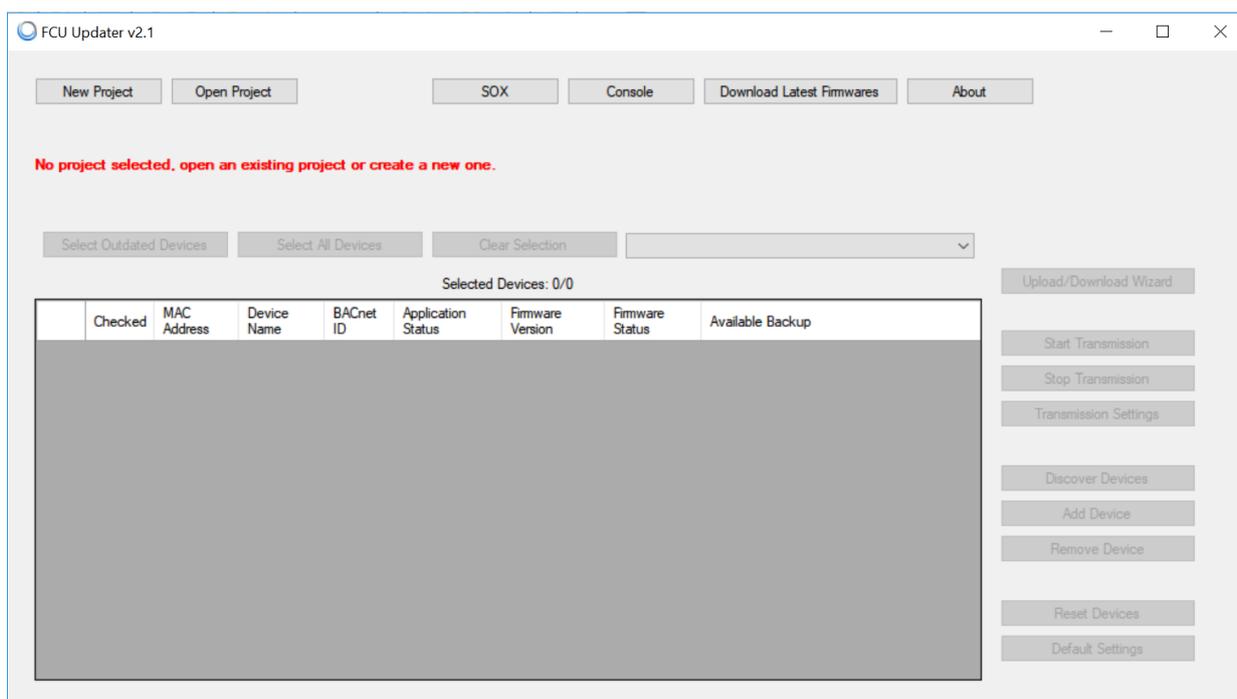


Figure 1 - Opening SOX protocol

The 'SOX' button guides the User to the next window where the SOX protocol can be started by pressing the 'Begin Communication' button. After starting the communication to the connected controller, the User can edit or build the application inside the iSMA-B-FCU controller by using the iSMA Tool software.

The 'SOX' window has the following communication parameters:

- 'Port' – port number (usually 1876) used by SOX protocol
- 'Begin Communication' button – start SOX communication. It is recommended to open SOX communication with the iSMA-B-FCU controller before running the iSMA Tool software.
- 'Stop Communication' button – stop SOX communication.

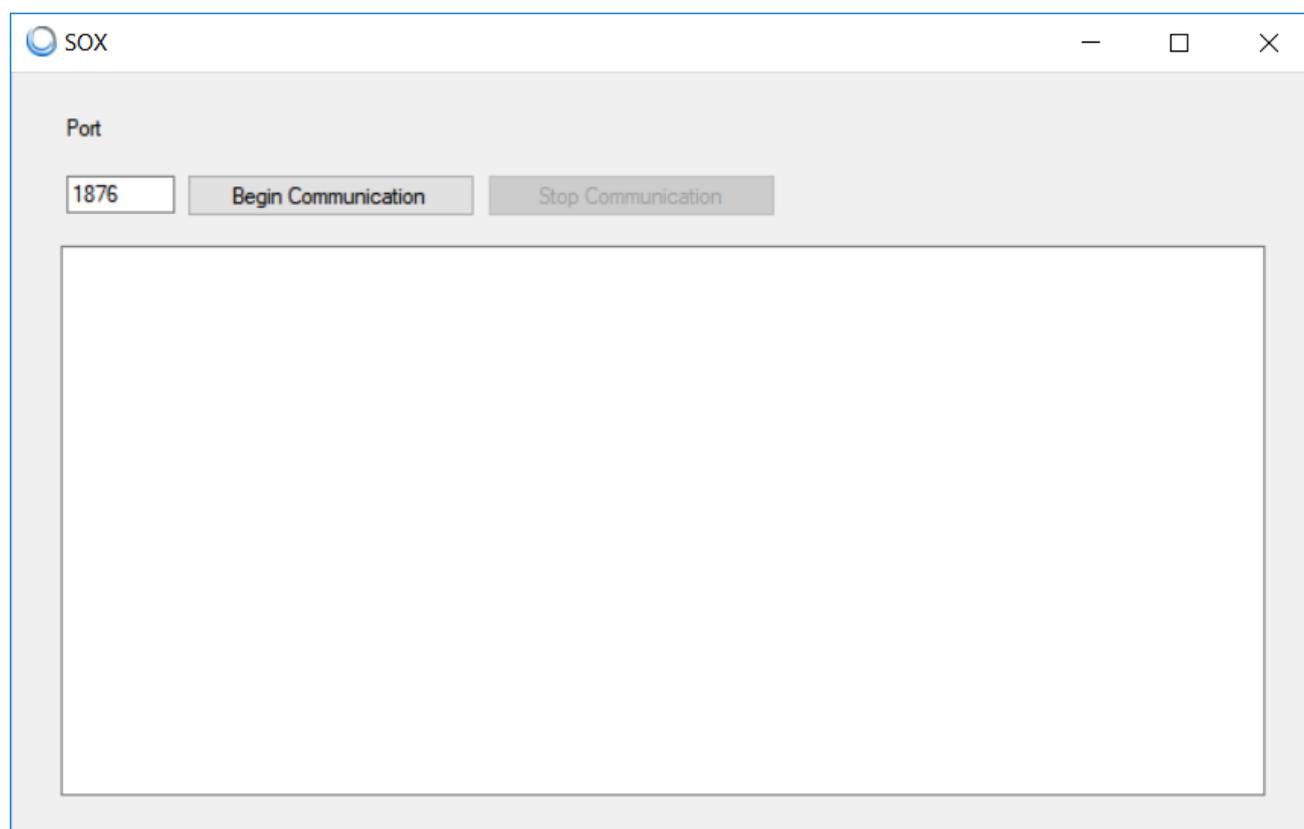


Figure 2 - SOX Protocol console

Note: Only one instance of SOX Protocol console can be opened at a time. If the 'SOX' button in the main application window is disabled, the SOX Protocol console has been already opened, and probably it is hidden somewhere under other windows on the User's screen.

If we have performed the above actions we are ready for establish communication via "Sox" protocol with iSMA-B-FCU controller using iSMA Tool software.

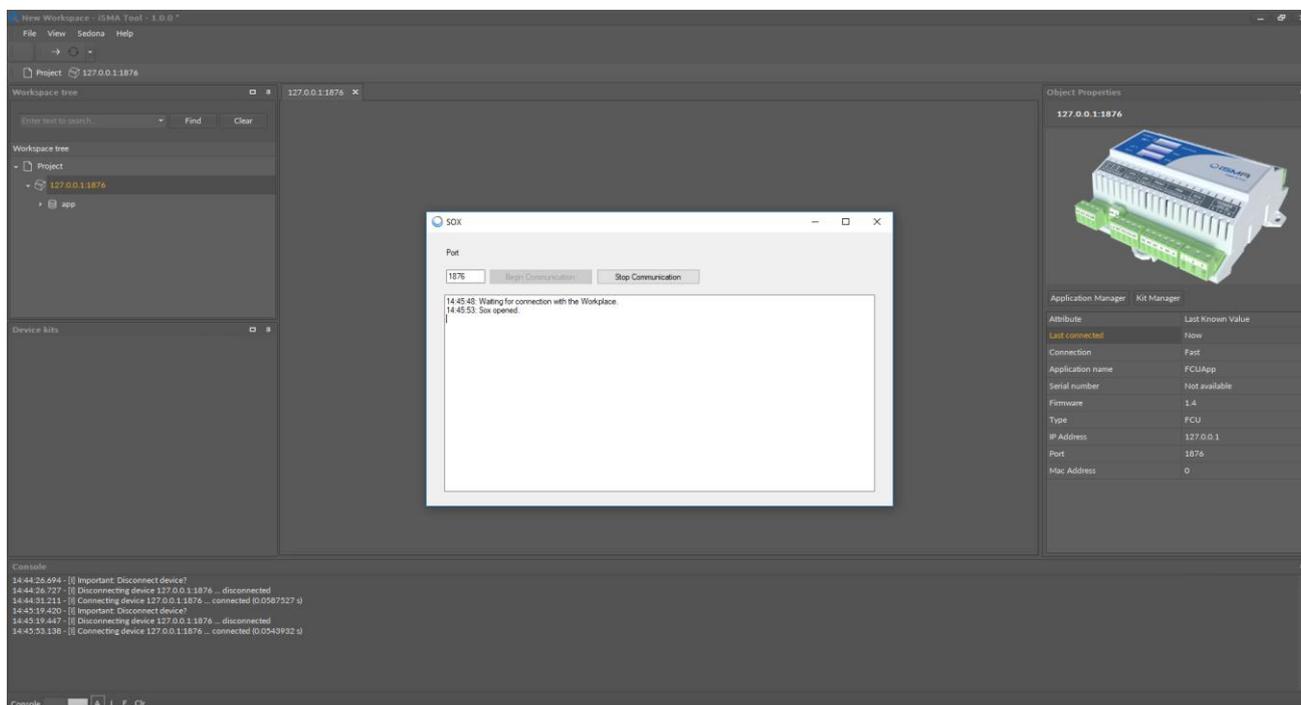


Figure 3 – Open communication beetwen iSMA-B-FCU device and iSMA Tool

Note: A complete iSMA-B-FCU controller programming manual can be found at the website address:

<https://support.gc5.pl/iSMA-B-FCU/Manuals/>