SesKion PSI5-Simulyzer

FAQ

Version
1.1

Date	Version	Author	Changes
26.01.2010	1.0	Perkins	Document created
26.01.2010	1.1	Perkins	Q-11 / Index /

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Q-1: I can't build up a connection between the PSI5-Software and the PSI5-Simulyzer

A-1.1: First of all, you should start the **PSI5**-*Simulyzer* before starting the **PSI5**-*Software*. Now and then it could happen that the operation system (MS-Windows) needs his time to indentify the Hardware (**PSI5**-*Simulyzer*). As soon as the „Device Manager"shows you the **PSI5**-*Simulyzer with the Name „SesKion GmbH PSI5-Simulyzer"*, you can start building up the connection via **PSI5**-*Software or the* **PSI5**-*Simulyzer-API.*

A-1.2: It could happen that Software and Hardware are incompatible, please take a look at the following table.

Hardwareversion	Softwareversion
1.3	1.7
1.3	1.6
1.3	1.5
1.2	1.4

For more information contact the SesKion-Service.

A-1.3: FPGA-Version and **PSI5**-Simluyzer Software are incompatible. Take a look at the following table. Error Message: "**Wrong FPGA-Version**"

FPGA-Version	Softwareversion
020B	1.9.1
020B	1.9
0209	1.8
0205	1.7
0205	1.6
0204	1.5
0202	1.4.x
0202	1.0

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Q-2: No data's or corrupt data's visible, with the PSI5-Software

A-2.1: In **Q-1** you see how to build up a connection between **PSI5-***Simulyzer and* **PSI5-***Software. Open the „*Device Manager"*and make sure you can see the device „SesKion GmbH PSI5-Simulyzer". If it's not the case, try it with the description in* **A-1.1.**

A-2.2: Starting with the **PSI5-***Software* Version 1.5 you should find two green LED's; every LED shows the current state of one channel; the left LED stands for channel 1; the right LED stands for channel 2.

Dark-green means power OFF

Light-green means power ON

A-2.3: To see data in the table you have to start the communication by pressing the "Start"-Button;

The green arrow; menu top left

Communication is running; menu top left

A-2.4: Be sure you have the correct settings e.g. ***DataTriggerLevel, Start and End-Addresses…***

A-2.5: Check the **DataTriggerLevel**. Mark this entry with your mouse, now you should see the Data Trigger-Line at the Oscilloscope-Window.

Make sure you have the correct settings, here is a short example:

DataTriggerLevel = (quiescent current) + (modulation power /2)

Supply Voltage = (according through sender-specification ca. 6 Volt; 3 Volt positive voltage modulation for the Sync. Pulse 50 µsec

Q-3: Where can I find the newest PSI5-Simulyzers Version?

A-3.1: You can download the newest Software every time by visiting our website:

http://www.seskion.de/wwwpub/automotive/

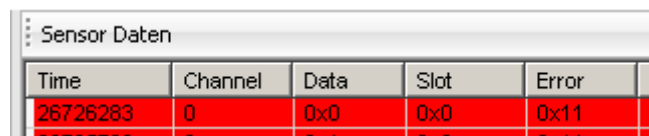*Q-4: How to register; for entering the SesKion Download-Area*

A-4.1: For a better support you need a registration before entering the Download-Area on our Website. After it, all you need is your login-name and your password.

After a successful registration you get your password, for the download area, via email.

http://www.seskion.de/wwwpub/register/

Q-5: What is the meaning of the Error-Bits?

A-5.1: The Error-Bits you can see in the Window "Sensor-Data", Column "Error".

Following graphic describes the Error-Bits:

General-Error 0x10 +	0x08	0x04	0x02	0x01
	Parity/CRC Error	Manchester- Error	Sart Bit – Error	Timeslot-Error

e.g.:

Just a parity Error: 0x18

Together, a parity and Manchester error: 0x1C

Q-6: The optimal size for the temporarily memory

A-6.1: The optimal size contents on, in which scale you want to receive and save data. The size can be at least 1 Megabyte and maximal 4 Gigabyte. For the standard using we recommend the following settings:

Analog-Data: 100 Megabytes

Sensor-Data: 10 Megabytes

If the "Memory Info"-Window fills up too fast you should increase the memory-size (analog-data and).

Q-7: How to use the Firmware-Update-Tool?

A-7.1: The Firmware-Update-Toll becomes necessary if you see that a normal Software-Update wasn't successful, to work with the Software becomes impossible. During the Update-Process it may be possible that the Software shows no reaction of your commands, after the update is complete, this problems should be history.

Q-8: What can you tell us about the output characteristics from the digital and analog outputs?

A-8.1: Both, digital and analog outputs were just logical op-outputs and made only for low current. To gate for example a magnet valve, an extern power amplifier becomes necessary.

Q-9: Problems with the USB 5V power supply?

A-9.1: Try it with a USB Twin Power cable; he gets its power out of two USB ports, what improves the power supply for the PSI5-Simulyzer.

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A-9.2: In case you use the PSI5-Simulyzer on your Laptop, try to use it not with the power supply unit instead of battery.

Q-10: Problems with the USB-Speed? Other devices connected at the same USB-Host?

A-10.1: Make sure that one USB-Host on your Computer is reserved for the PSI5-Simulyzer (single or multiple). The PSI5-Simulyzer needs the high-speed of one USB-Host; every other high-speed device, connected at the same host, will take away the required speed.

Q-11: How-To Update my Software-License?

A-11.1: Connect the PSI5-Simulyzer Hardware via USB with your Computer. Start the PSI5-Simulyzer Software (Check for the right Software-Version (**A-1.3)**).

1. Open the Menu, Help->About -> Firmware
2. Enter the new License-Key
3. Press the Button "**Update License**"
4. Check the new License Information

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