New Saia USB driver compatible with 32 and 64 bit Windows operating systems

PG5 2.0 SP2.0.200

Revision History

14.07.2011 Rev.2 22.11.2010 Rev.1

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1. General Information

In the Previous versions of the PG5 (PG5 1.4, PG5 2.0.110 und PG5 2.0.150), the 'Tetradyne USB Driver' was installed.

The 'Tetradyne USB Driver' is not compatible with 64 bit Windows operating systems, like Windows 7 64 bit and Windows Vista 64 bit.

In order to be compatible with 64 bit Windows operating systems, a new USB driver has been developed. This new driver is compatible with 32 bit and 64 bit Windows operating systems.

It means that this new driver is compatible on Windows XP, Windows Vista 32bit, Vista 64 bit, Windows 7 32 bit and Windows 7 64bit. The name of this new driver is 'Saia USB driver'.

The SCOMM communication module has been adapted in order to support this new USB driver in the following way:

- The service pack 2 of PG5 2.0, version SP2.0.200, will automatically install the new 'Saia USB Driver'. If older version of PG5 2.0 are installed, no problem because the earlier version of PG5 2.0 (V2.0.110, SP2.0.150) are compatible with the new 'Saia USB Driver'.
- For PG5 1.4, an update of the SCOMM communication module is required. In order to install this update, a patch is available, see point 3 <u>'If PG5 1.4.300 is</u> installed on your computer'.

Restriction:

For the moment, the XX7 application doesn't work with the new the Saia USB Driver.

For Windows XP, the old USB driver can be still used,

Please see the point 5 'Updating the SAIA_XX7 Driver'.

For Windows Vista and Window 7, we are currently working in order to update the applications.

2. PG5 2.0 Version SP2.0.200 installs the new USB driver

Together with the installation of PG5 SP2.0.200, the new Saia USB driver is installed automatically.

In case of troubleshooting with the USB communication, please have a look at point 4 '<u>Troubleshooting</u>'.

3. If PG5 1.4.300 is installed on your computer

In PG5 1.4.300, the communication module 'SCOMM' was design to communicate with the old 'Tetradyne USB Driver'. The new 'Saia USB Driver' has not the same interface. It means that the communication module 'SCOMM' has to be updated.

It means that if PG5 1.4.300 is installed on your computer, you have to install the patch that will update the communication module 'SCOMM' in order to be able to communicate with the new 'Saia USB Driver'.

To proceed, you have to install the following patch:

'SCommUpdate_1.4_319.exe'

This driver is available on the PG5 2.0 SP2.0.200 installation DVD under:

'<DVD>\ SComm update for PG5 SP14300'

Installation procedure:

- Start the 'SCommUpdate_1.4_319.exe'
- The following message box will be displayed:



• Press 'Ok' to start the installation.



- Press 'Next'.
- The following dialog will be displayed:



- Select 'Saia USB' and 'DLL & EXE" as in the picture above.
- Press 'Install'.

Device Driver Installation Wizard		
	Welcome to the Device Driver Installation Wizard! This wizard helps you install the software drivers that some computers devices need in order to work.	
	< Back Next > Cancel	
Execute: "C:\Program Files\Si Show details	AIA-Burgess\PG5 1_4\Drivers\SaiaUsb\dpinst_32.exe" /path "C:\	
SComm 1,4,317,1 Setup	<pre></pre>	

• Press 'Next'.

Device Driver Installation Wi	izard Completing the Device Driver Installation Wizard The drivers were successfully installed on this computer.	
	Driver Name	Status
	✓ Saia-Burgess Controls S	Device Updated
	< Back	Finish Cancel

- Press 'Finish'.
- The following dialog will be displayed:

SAIA's SComm Update to 1.4_317.1 Setup	
Setup was completed successfully.	Control Systems and Components
Completed	
Show details	
Comm 1.4.317.1 Setup	
< Back	< Next > Cancel

• Press 'Next'.

🚰 SAIA's SComm Update to	1.4_317.1 Setup	<u> </u>
rgess	That's it, congratulations	
<u>,</u>	SAIA's SComm Update to 1.4_317.1 has been in your computer.	stalled on
	Click Finish to close this wizard.	
	< Back Finish	Cancel

- Press 'Finish'.
- The following message will be displayed:



• Press 'Ok'.

The communication module 'SCOMM' of the PG5 1.4.300 has been updated and you can now communication with PG5 1.4 and PG5 2.0 with the PCD devices over the new 'Saia USB Driver'. In case of troubleshooting, please check point 4 below.

4. In case of troubleshooting

In case of troubleshooting with the USB communication between your PC and a PCD, please check first if your PC is connected with a PCD device with the recommended USB cable and that the power is on.

If the are still no communication, you have to be checked and updated the installation of the 'Saia S-Bus' USB driver.

The USB driver status and settings are available in the 'Device Manager', accessible from the 'Control Panel' of your PC.

4.1 Updating the USB driver in Windows XP

The USB driver has to be update using the Device manager. Please follow the steps describe below in order to update the driver.

• Select the 'Control panel' command from the start menu.



• Select the 'System' icon.



• In the 'System Properties' window, select the 'Harware' tab.

System Properties ? 🗙			
System General	Restore Automatic Updates Remote Computer Name Hardware Advanced		
Device Manager Image: The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device. Device Manager Device Manager Drivers Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers. Driver Signing Windows Update			
Hardware	Profiles Hardware profiles provide a way for you to set up and store different hardware configurations. Hardware Profiles		
	OK Cancel Apply		

• Click on the 'Device Manager' button.

• The 'Device Manger' window is displayed.



- Select 'Saia_SBus', then in the Context menu select 'Properties'.
- The following dialog will be displayed:

Saia_SBus Properties ?X			
General	Driver Details		
¢	Saia_SBus		
	Driver Provider:	Unknown	
	Driver Date:	Not available	
	Driver Version:	Not available	
	Digital Signer:	Not digitally signed	
Drive	er Details	To view details about the driver files.	
Upd	ate Driver	To update the driver for this device.	
Roll I	Back Driver	If the device fails after updating the driver, ro back to the previously installed driver.	
L	Ininstall	To uninstall the driver (Advanced).	
		OK Can	cel

• Click "Driver" Tab, then press the button "Update Deriver"

Hardware Update Wizard	
	Welcome to the Hardware Update Wizard
	This wizard helps you install software for:
	Saia_SBus
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	O Install the software automatically (Recommended)
	Install from a list or specific location (Advanced)
	Click Next to continue.
	< Back Next > Cancel

- In the Wizard Dialog, Check "Install from a list specific location
- The next dialog wizard will be displayed:

Hardware Update Wizard		
Please choose your search and installation options.		
Search for the best driver in these locations.		
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.		
Search removable media (floppy, CD-ROM)		
Include this location in the search:		
C:\Program Files\SAIA-Burgess\PG5_20\Driver USB Browse Browse		
On't search. I will choose the driver to install.		
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.		
< Back Next > Cancel		

• Select 'Don't search. I will choose the driver to install.'

Hardware Update Wizard			
Select the device driver you want to install for this hardware.			
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.			
Show compatible hardware			
Model			
Saia S-Bus Usb Driver			
SBus Driver			
SBus Driver			
Image: This driver is not digitally signed! Have Disk Tell me why driver signing is important Have Disk			
< Back Next > Cancel			

- From the list of the Drivers available, select the corresponding driver, then click "Next"
- The Driver is Updated and ready to use

Hardware Update Wizard		
	Completing the Hardware Update Wizard	
	The wizard has finished installing the software for:	
	Saia S-Bus Usb Driver	
	Click Finish to close the wizard.	
	< Back. Finish Cancel	

4.2 Updating the USB driver in Windows 7

The USB driver has to be update using the Device manager. Please follow the steps describe below in order to update the driver.

• Select the 'Control panel' command from the start menu



• Select the 'System' icon (if not displayed, select the 'View by: Large icons').



• In the next window, select the 'Device Manager'.



• In the 'Device Manager' window, select 'Saia_SBus', then in the context menu, select 'Properties'. If you do not see this entry in the list, please connect a PCD device on your PC with an USB cable.



• In the 'Properties' window, select the 'Driver' pad.

Saia_SBus Properties			
General Driver Details			
Saia_SBus			
Driver Provider:	Saia-Burgess Controls		
Driver Date:	22/06/2010		
Driver Version:	2.1.0.17		
Digital Signer:	Saia Burgess Controls AG		
Driver Details	To view details about the driver files.		
U <u>p</u> date Driver	To update the driver software for this device.		
Roll Back Driver	If the device fails after updating the driver, roll back to the previously installed driver.		
<u>D</u> isable	Disables the selected device.		
<u>U</u> ninstall	To uninstall the driver (Advanced).		
	OK Cancel		

• Click on the 'Update Driver' button.

• A wizard will start in order to update the driver.



• Select 'Browse my computer for driver software'.



• Select 'Let me pick from a list of device drivers on my computer'.

you want to install for t	his hardware.	
urer and model of your hardwar	e device and then clic	k Next. If you have a
e driver you want to install, clicl	c Have Disk.	
ticode(tm) signature.	(Have Disk
	you want to install for t irer and model of your hardwar a driver you want to install, click tirode(tm) signature	you want to install for this hardware. Irer and model of your hardware device and then clic a driver you want to install, click Have Disk.

- Select the 'Saia S-Bus Usb Driver' from the list and then click the 'Next' button.
- Then the driver will be installed and select 'Close'.



Now the driver is update and is ready to use for the communication between your PC and PCD.

5. Communication with XX7 devices using SAIA_XX7 Driver

With the New Versions of the PG5 2.0, the New Driver "Saia_xx7_USB driver" is installed, but the XX7 application doesn't support it. We are currently working on a new version of the communication modules, but they are not yet available.

That's why the driver has to be updated to the Old -Tetradyne Driver "Saia xx7 PCD Device".

In the following, you will find a description of how to update to the old driver.



• Select the 'Control panel' command from the start menu.

• Select the 'System' icon and double-click.



• In the 'System Properties' window, select the 'Harware' tab.

System Properties 🧧	×	
System Restore Automatic Updates Remote General Computer Name Hardware Advanced		
Device Manager The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.		
Device Manager		
Drivers Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.		
Driver Signing <u>W</u> indows Update		
Hardware Profiles		
Hardware profiles provide a way for you to set up and store different hardware configurations.		
Hardware Profiles		
OK Cancel Apply		

• Click on the 'Device Manager' button.

• The 'Device Manager' window is displayed.



- Select the "Saia_xx7_PCD' and, in the context menu, select "Update Driver ..." item.
- The following wizard dialog is displayed:

Hardware Update Wizard		
	Welcome to the Hardware Update Wizard	
	This wizard helps you install software for:	
	Saia_xx7_PCD	
	If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do?	
	 Install the software automatically (Recommended) Install form a list or specific (advanced) 	
	Click Next to continue.	
	< Back Next > Cancel	

- Check the option "Install from a list or specific location".
- Press 'Next' button.

• The following wizard dialog is displayed:



- Check "Don't search, I will choose the driver to install", then press 'Next'.
- The list of available driver are displayed in the following window:



• From the drivers available in the list, select "Saia xx7 PCD Device", then press 'Next'.

- The driver will be then installed.
- At the end of the installation, the following dialog is displayed:



• Press 'Finish'.

The driver is now updated and is ready to use.