Installation and compatibility information PG5 1.4 & Microsoft Windows 8 (64-bit)

When working with PG5 1.4 under MS Windows 8, some special points are to be considered. In this document you find the references which were tested and the work-arounds for the difficulties under Microsoft Windows 8.



As the last version of PG5 (PG5 2.1) is fully compatible with Windows 8, it is not planned to make improvement in PG5 1.4.

Revision History

Date	Description		
04.03.2013	Review		
28.02.2013	First version		

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1. Introduction

It is still possible to install and use the PG5 1.4.300 under the last Microsoft operating system, Windows 8 64 bit.

This document describes the installation, the compatibility issues and workarounds in order to use PG5 1.4 on this new operating system.

2. Installation of PG5 V1.4.300 with Patch15 (PG5 SP1.4.300

If you install PG5 under the default installation path "C:\Program Files\SAIA-Burgess\PG5 1_4" the installation stops with the following message:

Saia-Burgess Controls PG5 SP1.4.300 - InstallShield Wizard	×
Choose your Destination Location	7
Enter the PG5 destination folder. Click Next to keep the following folder, or click Browse to define a different folder.	
PG5 folder:	
C:\Program Files (x86)\SAIA-Burgess\PG5 1_4 Browse	
InstallShield	_
< Back Next > Cancel	

"Error 1606: could not access network location WINDIR\System32"

Saia-Burgess Controls PG5 SP1.4.300 Error	×
Error 1606.Could not access network location WINDIR\system32.	
<u>R</u> etry Cancel	

You have to remove the hyphen of the installation path: "C:\Program Files\SAIA-Burgess\PG5_1_4 " (add "_" between "PG5" and "1_4") or entering another path. Then it will be possible to install PG5 1.4.

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	Choose Folder ? ×
6 i D 6	Please select the installation folder. <u>P</u> ath:
Sala-Burgess Con	C:\Program Files (x86)\SAIA-Burgess\PG5_1_4
Choose your Destination Lo	Directories:
Enter the PG5 destination folde click Browse to define a differen	Internet Explorer Internet Explorer
PG5 folder:	
C:\Program Files (x86)\SAIA-B	urgess\PG51_4 Browse
Instalioniëld	< Back Next > Cancel

3. Start SPM for first time

When you start the fist time the Saia Project Manager - SPM.exe, it has to be opened with Administrator rights:

• With Windows Explorer, go into the installation folder of PG5, select the file 'SPM.exe', then right click on and in the context menu, select 'Run as administrator'.

Spm.exe			21.01.2
		Open	
sprof32.		Pin to Start	
SpromS	0	Run as administrator	
SPropEc		Troubleshoot compatibility	
		Pin to Taskbar	
sqlcnf32		Send to	
sqlcnf32		Send to	
Sqlcnf32		Cut	
SRemot		Сору	
Sres32.d		Create shortcut	
Sse.cnt	(Delete	
SSE.exe	(Rename	
🕜 SSE.HLP		-	
		Properties	

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4. Project directory access restrictions

In PG5 1.4, the default directory for the projects is "C:\PG5 Projects 1_4". This path is displayed in the 'Options' dialog, accessible under the 'Tools' menu of the 'Project Manager'.

Description	Path
Projects Directory	C:\PG5 Projects 1_4
Applications Directory	C:\Program Files (x86)\SAIA-Burgess\PG5_1_4
Local Directory	C:\Program Files (x86)\SAIA-Burgess\PG5_1_4
Standard Libraries	C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\Std
Application Libraries	C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\App
User Libraries	C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\Usr
FB Libraries	C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\FB
Set Defaulte	Add Edit Province Delete
Set Lietallits I	Add I Edit I browse I Uelete

Using this location in Windows 8 can generates some troubles when accessing the project files. In order to avoid those problems, the following options are available:

- Change the project directory to a 'Public' directory.
- Adapt the user access rights of the default directory 'C:\PG5 Projects 1_4'

4.1 Change the 'Projects Directory' to a 'Public' directory

Changing the Project Directory in the Options Dialog:

	Options	×
General Build Downlo	ad Directories	
Description Projects Directory Applications Directory Local Directory Standard Libraries Application Libraries User Libraries FB Libraries	Path C:\Users\Public\Documents C:\Program Files (x86)\SAIA-Burgess\PG5_1_4 C:\Program Files (x86)\SAIA-Burgess\PG5_1_4 C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\Std C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\App C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\Jsr C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\Usr C:\Program Files (x86)\SAIA-Burgess\PG5_1_4\Libs\Fb	
Set Defaults	Add Edit Browse Delete	lp

4.2 Adapt the user access rights of the default directory

To adapt the user access rights of the default directory, you have to:

- Open file explorer
- Select the directory 'PG5 Projects 14'
- Open the 'Properties' of the folder, using the context menu
- Select the 'Security' tab and select the corresponding 'Group or user names'

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PG5 Projects 1_4	Properties			
General Sharing Security Customise	в			
Object name: C:\PG5 Projects 1_4				
Group or user names:				
& CREATOR OWNER				
SYSTEM				
& Administrators (Test-PC\Administra	itors)			
Sers (Test-PC\Users)				
			_	
To change permissions, click Edit.	(号 <u>E</u> dit		
Permissions for Users	Allow	Deny		
 Modify			~	
Read & execute	~	_		
List folder contents	\checkmark			
Read	\checkmark			
Write	~			
Special permissions	\checkmark		v	
For special permissions or advanced settings, Advanced click Advanced.				
ОК	Cancel	<u>A</u> pply	1	

- Edit the 'Group or user names'
- Check the "Write" checkbox and press the 'Apply' button.

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PG5 Projects 1_4 Proper	ties ×
Permissions for PG5 Projects 1_4	
Security Object name: C:\PG5 Projects 1_4 Group or user names: CREATOR OWNER SYSTEM Administrators (Test-PC\Administrators) Users (Test-PC\Users)	v Deny
Add Remove Permissions for Users Allow Deny Read & execute Image: Contents Image: Contents List folder contents Image: Contents Image: Contents Read Image: Contents Image: Contents Write Image: Contents Image: Contents Special permissions Image: Contents Image: Contents Learn about access control and permissions Image: Contents Image: Contents OK Cancel Apply	Ad <u>v</u> anced

Now the selected directory (and sub-directories) is writable and will be accessible by PG5 1.4 without any access problem.

5. Device Configurator

- For using the Device Configurator, the Microsoft .Net Framework 3.5 has to be installed.
- Upload configuration from Device Configurator, Using USB The error "Downloader not found" is displayed, and it cannot be done. Same for Download



But this can be done in switching to Hardware Settings, and then Download/Upload the hardware configuration.

6. HLP help file format

The 'HLP' file format is in Windows 8 not supported by default.

The file "winhlp32.exe" which is located under the 'Windows' directory, needs to be updated with File "Windows8_RT_KB917607-x64.msu, which can be downloaded from Microsoft.

In some cases, the update will fail and the following error message is displayed:



In this case, the file 'winhlp32.exe' has to be installed manually, in following the steps below:

1) Go to 'Windows' directory and open the 'Properties' dialog of the 'WinHlp32.exe' file, in using the context menu then go to the 'Security' tab and press the 'Advanced' button.

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2) In the new dialog on the top, click on the Owner: TrustedInstaller Change link.

3) Type the user name to the "Enter the object name to select" text field and press check name - when it is accepted then press OK

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Name: Dwner:	C:\Windows\w Test User (Test-	inhlp32.exe -PC\Test) @ Chan	ge	
Permissions	Auditing	Effective Acces	Select User or Group	?
or additiona	l information, dou	ble-click a permiss	Select this object type:	
Permission er	ntries:		User, Group or Built-in security principal	Object Types
Type Allow Allow Allow Allow	Principal ALL APPLICATION SYSTEM Administrators (T Users (Test-PC\U	N PACKAGES est-PC\Administra sers)	From this location: TEST-PC Enter the object name to select (examples): TEST-PC\Test	Locations Check Names
Allow	Trusteunstaller		Advanced OK	Cancel
A 44	Pamous	View		

4) In the "Advanced Security Settings for winhlp32.exe" dialog, press the 'Apply' button

5) Now press 'Edit...' button in 'winhelp32exe' Properties dialog

Permissions for	or winhlp32.ex	e	×					
Security								
Object name: C:\Windows\win	hlp32.exe							
Group or user names:								
	GES							
& SYSTEM & Administrators (Test-PC\Adm	iinistrators)							
Users (Test-PC\Users)	,							
StrustedInstaller								
		_						
	A <u>d</u> d	<u>R</u> emove						
Permissions for Users	Allow	Deny						
Full control			`					
Modify								
Read & execute	 ✓ ✓ 							
Write	 ✓ 	Ë,						
Learn about access control and permissions								
ОК	Cancel	Apply						

6) You can specify now the rights for the file, Allow Full control for the "Administrators" and press 'Apply', then 'OK', and 'OK'.

7) Copy the attached file - 'winhlp32.exe' to 'Windows' folder

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7. Tests

In the following, you will find a resume of the test done, once the PG5 1.4 correctly installed on a Windows 8 64 bit.

- Open SBug and Connect to PCD via USB, Run, Display OK
- Open Online Configurator and Connect to PCD, change Settings OK
- Create a new project OK
- Create new device OK
- Create a new Fupla file, save, Build OK
- Create a new IL file, save, Build OK
- Create a new Graftec file, save, Build OK
- Create a new HMI file, save, Build OK
- Open Watch Window, drag and drop symbols, Start Monitoring OK
- Open SDat, quick upload, download data to PCD OK
- Create new .SIO File, configure it, compile, Build OK
- Download hardware settings using PGU, USB OK
- Download program using PGU, USB OK
- Firmware Downloader, download firmware via USB OK
- Web Connect, Open Configuration, Add Station USB is missing in Connection Type
- Restore and build a project SIO OK
- Create a new BACNet file, save and build OK
- Create a Web Server file, open it, generate files, build OK