



► PASconnect V1.4.2

PILZ
THE SPIRIT OF SAFETY

Readme-1004208-EN-10



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SD means Secure Digital

General

This document contains important information, which must be noted. This document also contains details of the changes made in the software tool from one version to the next.

System requirements

Operating system:	64 Bit version of Windows 10 Home, Windows 10 Pro, Windows 10 Enterprise, Windows 11 Home, Windows 11 Pro, and Windows 11 Enterprise; no virtual machine
Processor:	Intel i5 (2.9 GHz) or AMD equivalent
RAM:	min. 4 GB
Available hard drive space:	approx. 1 GB
Screen resolution:	min. 1024 x 768 pixels; 4k monitors or higher are not supported
Colour quality:	32 Bit
Text size:	Smaller – 100% (default)

Important information

Compatibility with PAS4000

PSS 4000 projects that are used as subprojects in PASconnect projects must be built using PAS4000 from Version 1.20.0. The PASconnect interface version 1.3.x or 1.4.x must be configured for each subproject.

Migration of PASconnect projects

A project that was created using an older PASconnect version will be migrated automatically when opened using a newer PASconnect version. Exception: A project that has been created with a PASconnect version $\leq 1.2.x$ can no longer be opened with a PASconnect version $\geq 1.3.0$.

Once a project has been opened with a newer PASconnect version it may no longer be opened using older PASconnect versions.

Changes in Version 1.4.2

This version is available in the following languages:

- ▶ German
- ▶ English

Optimisations

- ▶ Modifications have no effect on the function

Changes in Version 1.4.1

This version is available in the following languages:

- ▶ German
- ▶ English

Optimisations

- ▶ Security vulnerabilities
Several non-critical security vulnerabilities have been rectified.

Changes in Version 1.4.0

This version is available in the following languages:

- ▶ German
- ▶ English

New functions

- ▶ PASconnect interface version 1.4.x

PSS 4000 projects are supported with the PASconnect interface version 1.4.x.

The PASconnect interface versions 1.3.x and 1.4.x are compatible. The only difference is that PSS 4000 projects with interface version 1.4.x can exchange data of FIXED/LFIXED data type with other projects.

Subprojects with PASconnect interface version 1.3.x and 1.4.x may be present in a PASconnect project (mixed).

Changes in Version 1.3.1

This version is available in the following languages:

- ▶ German
- ▶ English

Optimisations

- ▶ Windows 7, Windows 11
The use of PASconnect under Windows 11 is now supported. The use of PASconnect under Windows 7 is no longer supported.
- ▶ Java library Log4j
The Java library Log4j (version 1.2.15) has been updated to version 2.17.1.
- ▶ Some changes without effect on the function of PASconnect

Changes in Version 1.3.0

This version is available in the following languages:

- ▶ German
- ▶ English

New functions

- ▶ PASconnect interface version 1.3.0

PASconnect projects are created with PASconnect interface version 1.3.0.

In PASconnect projects with the PASconnect interface version 1.3.0, the dependencies between the PSS 4000 projects involved in cross-project communication have been reduced. Changes to one PSS 4000 project are less likely to need the other PSS 4000 projects to be built.

- ▶ PSS 4000 projects affected by changes

When new PASconnect output data is created, the problem view in PASconnect will show which of the PSS 4000 projects must be rebuilt. Once you have built the projects you can acknowledge the messages. This will delete the message. In this way you can see exactly which PSS 4000 projects are affected by the newly made changes.

- ▶ Check sum of the PASconnect output data

The current check sum for the PASconnect output data is displayed in PASconnect for each PSS 4000 project. The check sum of the employed PASconnect output data is also displayed when building a PSS 4000 project. By comparing the two values it is possible to check whether the latest version of the PASconnect output data has been used when building the PSS 4000 project.

- ▶ Open subproject in PAS4000

A PSS 4000 project in PAS4000 can be opened from PASconnect (right-click on the subproject and select "Open PAS4000").

Optimisations

- ▶ SafetyEYE projects

SafetyEYE projects can no longer be added to a PASconnect project as subprojects.

Changes in Version 1.2.1

This version is available in the following languages:

- ▶ German
- ▶ English

Optimisations

- ▶ Subsequent adding of devices

When a PASconnect project has been created, and it already included PSS 4000 projects, and the user then added devices in one of the PSS 4000 projects, it was no longer possible to build this PSS 4000 project. The reason was an error in the SafetyNET p addressing. This problem has now been rectified.
(32512)

- ▶ Deleting I/O mappings

When all the I/O mappings in a PASconnect project were deleted and then new PASconnect output data were created, it was no longer possible to build the PSS 4000 projects. This problem has now been rectified.
(32386)

- ▶ Administrator rights

The user no longer needs administrator rights to work with PASconnect.

- ▶ Cross-project communication did not work

If an O-PI variable from a device in PSS 4000 Project A was mapped to several I-PI variables from a device in PSS 4000 Project B, a timeout could occur and the cross-project communication did not work. In the diagnostic list the diagnostic message S-0600-0004 was displayed. This problem has now been rectified.
(32682)

Changes in Version 1.2.0

This version is available in the following languages:

- ▶ German
- ▶ English

New functions

- ▶ SafetyEYE projects
SafetyEYE projects can also be added to a PASconnect project as sub-projects.
- ▶ Handling the exchange directory
The PASconnect exchange directory is a shared directory, in which all PSS 4000 projects involved in SNp communication and the PASconnect project exchange data. If the sub-projects and the PASconnect project are created in physically separate networks and therefore do not have access to a common exchange directory, there is a substitute procedure. This is described in the PASconnect online help, see "PASconnect project -> Manage exchange directory -> Handle separate exchange directories".
- ▶ Long data types
The following data types are supported:
 - ULINT/SAFEULINT
 - LINT/SAFELINT
 - LWORD/SAFELWORD
- ▶ Tool settings
Many actions and editors have default settings, which are made in the tool settings. This is also where you can reactivate the display of warnings/information, if it was deactivated in message windows using the option "Do not show message again" while working with PASconnect.
- ▶ Log file
There is a file in the exchange directory which contains the current faults, warnings and information from the project. The content corresponds to the messages in the problem view. If the problem view is updated, the log file is also updated.

Optimisations

- ▶ Restore the tool interface
When PASconnect is closed and opened again, PASconnect and the views are once again shown in the size and the position that they were shown before closing. The I/O Mapping Editor is not opened again.
(6095)
- ▶ Last used projects
In the **Project** menu, the last used projects are now shown.
(3756)
- ▶ I/O Mapping Editor
 - In the "Data source" and "Data sink" tables, the data sources/sinks from all sub-projects can now also be shown. You could previously only filter based on the data sources/sinks of one sub-project.
 - The navigation through the I/O Mapping Editor with the tab key was improved.

- The following shortcuts were introduced:

Ctrl + A: If the cursor is positioned in the table of data sources, all data sources are selected. This also applies for the table of data sinks.

Esc: If the cursor is positioned in the table of data sources, all data sources are deselected. This also applies for the table of data sinks.

Ctrl + right arrow: If data sources and data sinks are marked, this shortcut triggers the I/O mapping.

(5061, 3747)

- ▶ Add project to Project Manager

When a directory containing several PASconnect projects is selected during the action “Add project to Project Manager”, the user can now select which of these are to be added to the Project Manager.

(3485)

- ▶ Generate output data

Previously no output data was generated for PSS 4000 projects that do not exchange data with other sub-projects, whereby the PSS 4000 project could not be built in PAS4000. This problem has now been rectified. The required output data is generated.

(4684)

- ▶ Restore backup copy

- If a backup copy was restored, the project was added to the Project Manager but the faults and warnings for the project were not shown in the problem view. In addition, there were no error markings on the project in the Project Manager. These problems have now been rectified.

(2978)

- If a backup copy is restored but the project cannot be added to the Project Manager because the maximum number of 500,000 data sources/data sinks would be exceeded in PASconnect, a corresponding message is now shown.

(2980)

Changes in Version 1.1.0

This version is available in the following languages:

- ▶ German
- ▶ English

New functions

- ▶ Process input data automatically

If **Process input data automatically** is activated (default setting), PASconnect monitors whether new PASconnect input data has been created for a sub-project or whether input data has been added for a new sub-project. It does this for all the projects in the project manager. If new input data is present, the PASconnect project is updated and new PASconnect output data is created. This output data is then used automatically in the sub-projects' software tools.

- ▶ I/O mappings

- I/O mappings can now also be performed via 'drag and drop'.
- Changing the resource assignment in sub-projects does not lead to errors in the I/O mappings in the PASconnect project. The I/O mappings are adapted automatically. This happens as soon as the PASconnect input data is synchronised.
- It is possible to paste I/O mappings to the I/O mappings view from an Excel file, for example.

Optimisations

- ▶ IP addresses in the PASconnect project

All devices in a PASconnect project must have different IP addresses. If this is not the case, the error will now be detected and displayed.

- ▶ Delete sub-project

If a sub-project is no longer to be part of a PASconnect project, it can now be deleted in PASconnect. The user no longer has to access the exchange directory manually.

- ▶ Change exchange directory

The exchange directory can be changed in the properties of the PASconnect project.

- ▶ Creation date of the PASconnect input data

In the subprojects' properties, the creation date of the PASconnect input data is now formatted correctly (example: 2016-06-02 11:20:13.032).
(2970)

► Support

Technical support is available from Pilz round the clock.

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