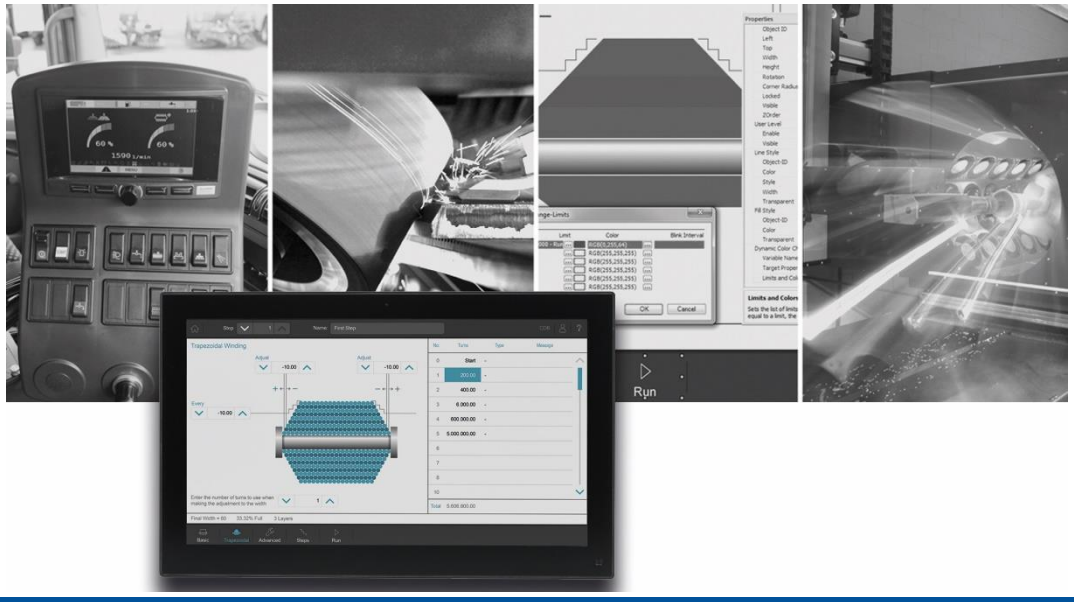

JetSym

Version update from 6.0.0 to 6.0.1

We automate your success

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1 New additions

Below, all features newly included in this software version, as well as product enhancements are listed.

1.1 General

1.1.1 Compiler OPC UA

For the Compiler, the 64 kB limit with OPC UA has been expanded.

1.1.2 Loading files without a project context

Loading .stxda and .sram files in the editor does no longer require a project context.

1.2 Hardware

1.2.1 JMX-15xx

JMX-15xx has been added to the hardware selection options.

1.2.2 JC-420EXT

JC-420EXT has been added to controller selection options.

1.2.3 Limiting the maximum number of open document tabs

For existing projects with more than 20 open windows, the first 20 visible documents are now opened. If the last active document is not among them, it is opened instead of the 20th document.
Opening a file, creating a new file and double-clicking a file in the tree generate an error message if 20 documents are already open.
Replace in files with single confirmation.
When the limit of 20 documents is reached, another document is closed beforehand. If this document was changed, it is saved directly and you are no longer asked whether it should be saved.

1.3 Editor

1.3.1 Length of implicitly declared enumeration elements

A length limit has been introduced for implicitly declared enumeration elements used for tool tips and when searching for references.

2 Fixed software bugs

This chapter describes the software bugs fixed in the new software release.

2.1 Motion Setup

2.1.1 Controller crash during reverse operation mode

Changing parameters while in reverse operation mode triggered errors and caused the controller to crash.

2.1.2 Download button for axis groups

In motion setup, the download button for axis groups did not work with SFTP.

2.1.3 Double-clicking JMD-3512 triggered an exception

The problem occurred whenever the EtherCAT® bus configuration featured a Beckhoff CU-1128 alongside an MC-JMD3512.

2.1.4 Incorrect menu content shown after 440EXT to 440MC controller change-over

Following controller change-over from **440EXT** to **440MC**, the content shown in the **System bus** context menu (right-click) was incorrect.

2.2 Editor

2.2.1 Error in “go to line” function

Addressing the last program line with the **go to line** function triggered no action.

2.2.2 IntelliSense error with enums

IntelliSense listed all enum parts for selection, including non-existing ones.

2.2.3 Tool tip contents for enums

The tool tip contents for enums were incorrect.

2.2.4 Incorrect syntax highlighting with Addr operator

Addr() is an operator and as such highlighted in the JetSym editor. Add is not an operator and should therefore not be highlighted, which wrongly was the case.

2.2.5 Array definition within IntelliSense

When defining an array, IntelliSense would not process the upper limit properly.

2.2.6 Auto-completion for instructions with

The auto-completion feature did not work properly for instructions starting with #.

2.2.7 Indentation of code blocks

The indentation feature for code blocks would be applied to the entire line rather than only the block.

2.2.8 Global function not displayed in IntelliSense

IntelliSense would not display a global function if the current position is a method.

2.2.9 #region and #endregion in IntelliSense

IntelliSense failed to auto-complete #region and #endregion instructions properly and there was no proper code folding.

2.2.10 No display of values for located variables

If the upper and lower case of a localization path in the declaration in the program differed from that in the hardware definition or in the I/O mapping, no values were displayed.

2.2.11 Functionality "Search references from"

Did not work when calling class methods (e.g. Motion API).

2.3 Monitor and Setup

2.3.1 Overwriting a structure identifier in the setup

When overwriting a structure identifier, the setup still featured old and invalid entries.

2.3.2 System crash when hitting the + or – keys without holding the Shift key

Hitting the **+** or **–** keys without holding the **Shift** key in the monitor made third-party EtherCAT® IOs inaccessible.

2.3.3 Displaying bits in the monitor and setup

The monitor and setup displayed bits incorrectly.

2.3.4 Changing Boolean variables with +/- keys

It is now possible to change Boolean variables directly using the +/- keys without the Shift key.

2.3.5 Display of umlauts in the monitor

Umlauts within words were displayed incorrectly in the monitor.

2.4 General

2.4.1 Search & replace feature did not work properly

Search and replace operations delivered too many changes.

2.4.2 Backward navigation in the search & replace window

The backward navigation in the search & replace window using **Shift + TAB** keyboard command did not work.

2.4.3 Invalid EtherCAT process image

Under certain circumstances, it was not possible to write a valid EtherCAT process image.

2.4.4 Module setup error

Online activation in the module setup led to a .Net error.

2.4.5 No dot in the name of a PROFINET IO device

It was not possible to use a "." as a character when assigning the name in the PROFINET IO Device node. However, this is permitted according to the PROFINET specification.

2.4.6 "MC-Global/Error" showed error "Duplicate service, group or tag identifier!"

If more than 100 (simulation) axes or more than 100 motion objects were used, this error appeared under **MC-Global/Error**.

2.5 Hardware

2.5.1 JC-350 OS update

It was impossible to update the JC-350 OS via either serial or Ethernet port.

2.5.2 Crash when changing controllers

When changing from a controller with EtherCat to a controller without EtherCat, JetSym could crash.

3 Important notes

3.1 Installing JetSym

To be able to license JetSym during installation, the JetSym installation program must be started from an admin user account.

3.2 .NET framework 4.7.2

This JetSym release requires a .NET framework 4.7.2.

3.3 CodeMeter runtime

As of version 6.0.0 JetSym does no longer require the CodeMeter runtime.