



JetSym
Versions Update
from V4.41 to V4.42



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1 Introduction

Overview of Version Update			
Version	Function	expanded	corrected
V4.4.2	Motion API Version 1.0.0.3	✓	
	Various Corrections in the German Resources		✓
	Unsuccessful Program Download		✓
	Incorrect Display with Counter Module		✓
	Offline Message in Axis Configuration Window		✓
	Wrong Header Panel of an Axis Configuration Window		✓
	Oscilloscope Recording from Different Controllers		✓
	Interpreting Pointer Values		✓
	Incorrect Intellisense Selection List		✓
	Problems with Bit Structures within Setup Files		✓
	Wrong Coloring of Keywords		✓
	Disabled Button in Motion Setup		✓
	Ethernet Axes at Controller "JC-360"		✓
	References of Class Methods		✓
	Incorrect Nominal Current at Motor Type „JH2-0074-027“		✓
	New Project Name at Command "Project Save As"		✓
	Incorrect Axis Selection in Oscilloscope		✓
	Automatic Intellisense Scan		✓
	Online Detection at JetSym-/JetSym ST-Projects		✓
	Values of Motion Initialization File were not Taken Over		✓
	Structure as In-Parameter of a Function		✓
	Display of Local Array Variables in Monitor Window		✓
	Hang-Up of STX Compiler		✓
	Crash of JetSym at Collection of Feedback Information		✓

2 Expansions

2.1 Motion API Version 1.0.0.3

The Motion API Version 1.0.0.3 contains a few enhancement compared to Version 1.0.0.1 and does replace its former version. So this Motion API version should be used from now on, existing projects should also change to library reference to it. For all expansions and alterations please refer to the online help.

3 Eliminated Software Bugs

3.1 Various Corrections in the German Resources

Various corrections were made at dialogs and menu entries inside the German Resources to improve the appearance and to avoid misunderstandings.

3.2 Unsuccessful Program Download

A program download to the controller could be unsuccessful if a program upload had been performed just before while an active setup window was open. Even the program download was terminated without showing any errors; the "old" program restarted again.

3.3 Incorrect Display with Counter Module

In the hardware manager the status of a JX3-CNT counter module was displayed incorrectly. The check box "Module activated" was shown unchecked even it should be shown checked according to the status value.

3.4 Offline Message in Axis Configuration Window

In the axis configuration window the error message "Controller Offline" was displayed even a when a connection could be established.

3.5 Wrong Header Panel of an Axis Configuration Window

In offline mode the header panel of an axis configuration window mistakenly appeared in the color, which is normally shown when online mode is selected and the controller is offline.

3.6 Oscilloscope Recording from different Controllers

In an oscilloscope document two channels were defined to collect data from two different controllers. At the recording itself both channels were reading the sample values from the same controller.

3.7 Interpreting Pointer Variables

A pointer to a number type like “pointer to float” was declared as a user-defined type. If this user-defined type was then used to define a member inside the class, then the object instance’s member could not be resolved in the setup window. Therefore no value was displayed.

3.8 Incorrect Intellisense Selection List

After the array index’ opening bracket (“[”) Intellisense did open an incorrect selection list, where no constants were listed for example.

3.9 Problems with Bit Structures within Set-up Files

There were several problems with bit structures in a setup file or inside the monitor window. So under certain circumstances the structure members could not be resolved or wrong values were displayed. Running JetSym Version 4.40 there was also the possibility of a program crash when displaying bit structures inside a monitor window.

3.10 Wrong Coloring of Keywords

In the program editor the keywords “And” or “Or” located between two motion commands could be colored mistakenly with the same color as the motion commands themselves after the user made a double click on a keyword.

3.11 Disabled Button in Motion Setup

In the manual mode of the motion setup inside page “Point to Point” the button inside tab “Endless” was disabled even the online mode was active and the axis had been enabled.

3.12 Ethernet Axes at Controller “JC-360”

In project configurations with a “JC-360” defined as its controller type Ethernet axes can be defined since JetSym Version 4.4.1. These Ethernet axes were also offered for selection inside the motion wizard, which is not correct.

3.13 References of Class Methods

It was impossible to search for references of class methods because the command needed to do so was disabled in the context menu.

3.14 Incorrect Nominal Current at Motor Type „JH2-0074-027“

It was impossible to search for references of class methods because the command needed to do so was disabled in the context menu.

3.15 New Project Name at Command “Project Save As”

Copying a project by performing command “Project Save As” defining a new project name was not performed correctly, because some entries like the definition of the EPROM file name were not altered accordingly.

3.16 Incorrect Axis Selection in Oscilloscope

In the motion wizard inside an oscilloscope document Ethernet axes were offered for selection even this axis type is not allowed to be selected.

3.17 Automatic Intellisense Scan

The status message “Trying to perform an automatic Intellisense scan” was shown in the output window even this option had been explicitly deactivated by the user. Additionally the outcome of a manual Intellisense scan depended on the setting of this option, which should not be the case. After an unsuccessful program compilation the selection offered by Intellisense could sometimes not be current anymore.

3.18 Online Version Detection at JetSym-/JetSym ST-Projects

Having the online version detection activated in JetSym-/JetSym ST-projects could cause the selection of an incorrect version point after clicking on button “Test”. This version point miss-selection then could then cause a compiler error.

3.19 Values of Motion Initialization File were not Taken Over

The values of the Motion Initialization File were not taken over under certain circumstances.

3.20 Structure as In-Parameter of a Function

If a large structure is used as In-Parameter of a function in JetSym STX, then the controller's interpreter threw an exception error -7.

3.21 Display of Local Array Variables in Monitor Window

If the values of a local array variable were displayed in the monitor window, then the first value was displayed only if the user selected the binary or the hexadecimal format.

3.22 Hang-Up of STX Compiler

The compilation of the Motion-API could hang itself up, if in the program editor an open bracket followed by a dot character were located after a property.

3.23 Crash of JetSym at Collection of Feedback Information

JetSym could crash if the SPACE-key was hit several times during the collection of feedback information.