



JetSym

Versions Update from V4.40 to V4.41

Jetter

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1 Introduction

Overview of Version Update			
Version	Function	expanded	corrected
V4.4.1	New Motion API Version 1.0.0.1	✓	
	Bug-ID #808 Loss of Focus after Closing Motion Wizard		✓
	Bug-ID #1537 Incorrect Module Numbers with JetMoves on JX2-Bus		✓
	Bug-ID #2035 Adjustment of Menu Entries		✓
	Bug-ID #2050 Troubles with Parallel Installations		✓
	Bug-ID #2054 + #2056 Corrections in "Options" Dialog		✓
	Bug-ID #2060 Exception at Activation of Setup		✓
	Bug-ID #2064 English Labels within German JetSym		✓
	Bug-ID #2065 Crash caused by Incorrect Project Configuration		✓
	Bug-ID #2066 + #2096 Conversion Errors from JetSym to JetSym ST		✓
	Bug-ID #2069 Missing Line Feed		✓
	Bug-ID #2072 Incorrect Labels in Setup Page of Module "JX3-CNT"		✓
	Bug-ID #2073 Incorrect Evaluation of Project Changes		✓
	Bug-ID #2074 Invisible Selection when Opening Menu		✓
	Bug-ID #2076 Incorrect Module Selection in Hardware Manager		✓

	Bug-ID #2077 Incorrect Position of Command "Show System Functions"		✓
	Bug-ID #2083 Exception when Adding a Module		✓
	Bug-ID #2084 Button "Test" not working on First Attempt		✓
	Bug-ID #2085 No Version after Changing Controller Type		✓
	Bug-ID #2086 No Takeover of new Controller Type		✓
	Bug-ID #2087 Text not visible completely (German JetSym only)		✓
	Bug-ID #2088 Separator and Decimal Point not Taken Over		✓
	Bug-ID #2090 Inactive Help Button		✓
	Bug-ID #2092 Display of "old" Controller Name "JVM-407"		✓
	Bug-ID #2095 Wrong Motion Setup Page after Loading Project		✓
	Bug-ID #2098 Axis Type Settings		✓
	Bug-ID #2100 Incorrect Display in Oscilloscope Window		✓
	Bug-ID #2103 Unusable Project File		✓
	Bug-ID #2104 Troubles with "Save Project As"		✓
	Bug-ID #2105 Exception when Opening Axis Configuration		✓
	Bug-ID #2106 Wrong Dialog for Directory Selection		✓
	Bug-ID #2107 Problems with Virtual Axes		✓
	Bug-ID #2108 Different Behavior of Intellisense		✓

	Bug-ID #2110 Floating Point Values in Monitor Window		✓
	Bug-ID #2113 Too many Channels in Oscilloscope Window		✓
	Bug-ID #2114 Tooltip in Program Editor during active Setup		✓
	Bug-ID #2115 Blinking Tooltip		✓
	Bug-ID #2127 Binary Values in Oscilloscope		✓
	Bug-ID #2130 Saving an Interface Parameter		✓
	Bug-ID #2131 Program Download to a Mikro		✓
	Bug-ID #2133 Input of a new Value in Setup Window		✓
	Bug-ID #2134 Loss of Focus at Find Function		✓
	Bug-ID #2136 Display of "Secure Stop" in new Motion Setup		✓
	Bug-ID #2137 Pointer to Objects or Structures in Monitor/Setup		✓
	Bug-ID #2138 Encoder of type "Linear EnDat" in Motion Setup		✓
	Bug-ID #2139 Double Values in Oscilloscope		✓
	Bug-ID #2140 Exception at Two Axes with same IP-Address		✓
	Bug-ID #2142 No Takeover of Axis Settings		✓
	Bug-ID #2144 Wrong Display after Change of Axis Type		✓
	Bug-ID #2145 Missing Entry "Indirect" in Context Menu		✓
	Bug-ID #2148 Display of "Drag Indicator" at MC-Axis		✓

	Bug-ID #2153 Error at Conversion from Motion Wizard to Motion API		✓
	Bug-ID #2156 Wrong Commentary in Tooltip		✓
	Bug-ID #2157 Hardware Scan does not find all Devices		✓
	Program Crashes caused by Interaction Intel-lisense/Build		✓
	Bug-ID #2160 Unpredicted Start of JX2 System Bus		✓

2 Expansions

2.1 New Motion API Version 1.0.0.1

Together with this JetSym Version there is a new Motion API Version 1.0.0.1 available. Besides a few internal optimizations a bug in command „MCAxisState“ is now fixed and a new encoder called „LinearSineHall“ was introduced. Additionally an error was renamed from „ErrorTypes.ExtErrorReaction“ to „ErrorTypes.TimeoutErrorReaction“. It is recommended to de-install the previous Motion API Version 1.0.0.0 and at replace it with this version.

3 Eliminated Software Bugs

3.1 Loss of Focus after Closing Motion Wizard

Platform: JetSym Bug-ID #808

In a very special case the focus was still not set properly back to the program editor after closing the Motion Wizard.

3.2 Incorrect Module Numbers with JetMoves on JX2-Bus

Platform: JetSym Bug-ID #1537

At the automatic setting procedure of a JetMove's module number the higher limit of 9 is now increased, because there is a possibility a JetMove could have a higher number value.

3.3 Adjustment of Menu Entries

Platform: JetSym Bug-ID #2035

In the "Build" menu the entries "Program upload" as well as "Program download" are now shown, because the previous entries "File upload" and "File download" could easily be misunderstood especially within STX projects.

3.4 Troubles with Parallel Installations

Platform: JetSym Bug-ID #2050

After an installation of JetSym Version 4.4.0 parallel to a JetSym Version 4.3.x one the directory of the platform files of the latest version was set to the one defined in Version 4.3.x.

3.5 Corrections in "Options" Dialog

Platform: JetSym Bug-ID #2054 + #2056

Within property page "Editor" in the "Options" dialog the Tab order as well as the short key of entry "Suggestions on top of list" were corrected. In the German version of JetSym the width of the combo box "Menüanimationen" was enlarged to be able to display all entries properly.

3.6 Exception at Activation of Setup

Platform: JetSym Bug-ID #2060

An exception was thrown at the activation of the setup mode if an open axis configuration was open and there was no IP address defined in the project.

3.7 English Labels within German JetSym

Platform: JetSym Bug-ID #2064

In the tree control window to select the controller type within the Hardware Manager the labels of two buttons, "Select" and "Cancel", were not translated.

3.8 Crash caused by Incorrect Project Configuration

Platform: JetSym Bug-ID #2065

In the Motion Wizard there was the chance of a crash caused by an incorrect project configuration. It occurred whenever a project created with JetSym Version 4.3.1 was loaded with a later version.

3.9 Conversion Errors from JetSym to JetSym ST

Platform: JetSym Bug-ID #2066 + #2096

Depending on the symbol declaration the command "N_COPY_TO" could be converted differently at the conversion from JetSym to JetSym ST. A function used as a condition within a "IF...THEN" statement could also be converted incorrectly.

3.10 Missing Line Feed

Platform: JetSym Bug-ID #2069

In property page "Commands" in "Customize" dialog, there were no line feeds entered with long strings in text field "Description".

3.11 Incorrect Labels in Setup Page of Module "JX3-CNT"

Platform: JetSym Bug-ID #2072

In the setup page of module "JX3-CNT" some incorrect labels were corrected.

3.12 Incorrect Evaluation of Project Changes

Platform: JetSym Bug-ID #2073

After emptying the output directory and a complete rebuild of the project the following call of command "Build" caused another rebuild, even the project had not been changed in the meantime.

3.13 Invisible Selection when Opening Menu

Platform: JetSym Bug-ID #2074

A selected text in the program editor became invisible as soon as the user opened a menu.

3.14 Incorrect Module Selection in Hardware Manager

Platform: JetSym Bug-ID #2076

At certain controller types the selection shown when adding a module offered invalid module types. Scanning for hardware always started from the controller of the current active project instead of the one of the project the settings window belongs to.

3.15 Incorrect Position of Command "Show System Functions"

Platform: JetSym Bug-ID #2077

The command "Show System Functions" mistakenly was shown in the context menu of a function's node instead of the top parent node as it should be.

3.16 Exception when Adding a Module

Platform: JetSym Bug-ID #2083

Adding an invalid module could cause an exception.

3.17 Button "Test" not working on First Attempt

Platform: JetSym Bug-ID #2084

After changing the IP address while an oscilloscope window was open the button "Test" did not react at the first click. From the second attempt onwards it worked properly again.

3.18 No Version after Changing Controller Type

Platform: JetSym Bug-ID #2085

After a change of the controller type in the "Version" combo box occasionally no entry was selected.

3.19 No Takeover of new Controller Type

Platform: JetSym Bug-ID #2086

If a program was downloaded over the serial interface right after the controller type had been changed, then the previous controller type was still set.

3.20 Text not visible completely (German JetSym only)

Platform: JetSym Bug-ID #2087

Using the German version of JetSym the label "Ausrichtung der Spalte Inhalt" was not visible completely in window "Setup-Eigenschaften".

3.21 Separator and Decimal Point not Taken Over

Platform: JetSym Bug-ID #2088

At the export of oscilloscope data to a CSV-file the separator as well as the decimal point character were not taken over until the changes inside the oscilloscope document were saved.

3.22 Inactive Help Button

Platform: JetSym Bug-ID #2090

Clicking on the help button inside dialog "Convert JetSym Motion Wizard to Motion API" did not have any effect.

3.23 Display of “old” Controller Name “JVM-407”

Platform: JetSym Bug-ID #2092

The renaming of controller type “JVM-407” to “FMC-01” was not implemented at all locations.

3.24 Wrong Motion Setup Page after Loading Project

Platform: JetSym Bug-ID #2095

If all windows open at the last session were reopened at the loading of a project, then the motion setup windows could show an incorrect page.

3.25 No Takeover of Rotation Speed

Platform: JetSym Bug-ID #2095

In the Motion Setup of external motors the value of the nominal rotation speed was not taken over as the new value of the maximal rotation speed parameter in page “Rotation Speed”, even the user confirmed to do so.

3.26 Axis Type Settings

Platform: JetSym Bug-ID #2098

At a certain approach the user was not informed by the Motion Setup after a restart of the controller that the axis type settings did not match to the controller ones anymore.

3.27 Incorrect Display in Oscilloscope Window

Platform: JetSym Bug-ID #2100

An oscilloscope graph was displayed incorrectly in case of a “Pre-Trigger” parameter was defined.

3.28 Unusable Project File

Platform: JetSym Bug-ID #2103

The definition parent directory of the project's directory was defined as a search path of program files within the "Options" dialog could cause, that the project file itself became unusable.

3.29 Trouble with "Save Project As"

Platform: [JetSym Bug-ID #2104](#)

A project copied to another location under a new name with the help of command "Save Project As" could cause the effect that the copied project could not be built anymore.

3.30 Exception when Opening Axis Configuration

Platform: [JetSym Bug-ID #2105](#)

An exception occurred if the axis configuration window was opened right after the change of the controller type from "JC-350" to "FMC-01".

3.31 Wrong Dialog for Directory Selection

Platform: [JetSym Bug-ID #2106](#)

If the user clicked on the "..." button within the "Options" dialog to select a directory, then the dialog opened did not give a real chance to select a directory.

3.32 Problems with Virtual Axes

Platform: [JetSym Bug-ID #2107](#)

Mistakenly JetSym did not accept the settings of rotary mechanical option at virtual axes.

3.33 Different Behavior of Intellisense

Platform: [JetSym Bug-ID #2108](#)

Intellisense could behave very differently depending on the project size, especially as far as the time elapsed is concerned, until the selection was ready.

3.34 Floating Point Values in Monitor Window

Platform: [JetSym Bug-ID #2110](#)

At user's entries of new floating point values inside the monitor window where there was no decimal point had been entered, value "0" mistakenly was taken over and written to the controller.

3.35 To many Channels in Oscilloscope Window

Platform: [JetSym Bug-ID #2113](#)

After creation of an extended oscilloscope file more channels than usual could be displayed.

3.36 Tooltip in Program Editor during active Setup

Platform: [JetSym Bug-ID #2114](#)

In case of an active setup and the controller being offline it could take a very long time until the tooltip displaying variables is shown. It then kept disappearing and appearing in a cyclic mode.

3.37 Blinking Tooltip

Platform: [JetSym Bug-ID #2115](#)

At certain variables it could happen under certain circumstances that the tooltip blinked, so the variable content could hardly be read.

3.38 Binary Values in Oscilloscope

Platform: [JetSym Bug-ID #2127](#)

Up to JetSym Version 4.4.0 the value "true" was set to integer value "-1" for displaying a graph inside oscilloscope. From now on it is set to value "1".

3.39 Saving an Interface Parameter

Platform: [JetSym Bug-ID #2130](#)

Within the interface settings made in dialog "Tools/Options" the parameter "Online Detection" was not saved in case of serial interface type is defined.

3.40 Program Download to a Mikro

Platform: [JetSym Bug-ID #2131](#)

A program download to a Mikro was performed without any error messages; even the RAM was write-protected by the switch "SAVE/PROG". But a program comparison made

right after the download showed clearly that the program download was not performed at all.

3.41 Input of a new Value in Setup Window

Platform: JetSym Bug-ID #2133

If an invalid was tried to be entered within the user input dialog of a setup window, then the focus was set to the setup window itself and not back to the input dialog as it should be.

3.42 Loss of Focus at Find Function

Platform: JetSym Bug-ID #2134

During function "Find" searching for a text in files the focus was always set back to the workspace's docking window in case it had been set there before.

3.43 Display of "Secure Stop" in new Motion Setup

Platform: JetSym Bug-ID #2136

In the new Motion Setup of the motor type "JM-215" on page "Status" the display of "Secure Stop" was missing.

3.44 Pointer to Objects or Structures in Monitor/Setup

Platform: JetSym Bug-ID #2137

In monitor or setup windows pointer variables pointing to objects or structures could not be expanded.

3.45 Encoder of Type "Linear EnDat" in Motion Setup

Platform: JetSym Bug-ID #2138

Inside Motion Setup the encoder of type "Linear EnDat" was never offered for selection, even in cases where it was allowed to use it.

3.46 Double Values in Oscilloscope

Platform: JetSym Bug-ID #2139

In an oscilloscope window double values were displayed without fractional digits at measure points as well as at the cursor.

3.47 Exception at Two Axes with same IP-Address

Platform: JetSym Bug-ID #2140

An exception was thrown as soon as the motor type was changed by the user while two axes were having the very same IP-address.

3.48 No Takeover of Axis Settings

Platform: JetSym Bug-ID #2142

Certain axis settings were not taken over even the download to the JetMove was completed successfully.

3.49 Wrong Display after Change of Axis Type

Platform: JetSym Bug-ID #2144

After changing the axis type from single to MC axis the motion setup showed the wrong page.

3.50 Missing Entry “Indirect” in Context Menu

Platform: JetSym Bug-ID #2145

In setup windows of JetSym as well as of JetSym ST projects the context menu opened by a right-mouse-click on a grid row did not show the command “Indirect” anymore.

3.51 Display of “Drag Indicator” at MC-Axis

Platform: JetSym Bug-ID #2148

Parameter “Drag Indicator” at MC-Axis is now displayed only if it is supported by the JetMove’s operating system.

3.52 Error at Conversion from Motion Wizard to Motion API

Platform: **JetSym Bug-ID #2153**

After converting Motion Wizard function „MotionStop(ax, Maximum Delay)“ to Motion API the resulting function parameter „StopMode.MaxDeclaration“ mistakenly was commented out.

3.53 Wrong Commentary in Tooltip

Platform: **JetSym Bug-ID #2156**

In the tooltip inside the program editor a wrong commentary could be shown if a multi-declaration of variables with same type was made.

3.54 Hardware Scan does not find all Devices

Platform: **JetSym Bug-ID #2157**

It could happen at a hardware scan that not all network devices ready to communicate were found.

3.55 Program Crashes caused by Interaction Intellisense/Build

At previous JetSym versions program crashes occurred sporadically caused by the interaction between Intellisense update and build progress.

3.56 Unpredicted Start of JX2 System Bus

Platform: **JetSym Bug-ID #2160**

During the progress of a hardware scan the JX2 system bus could be reinitialized under certain circumstances.