



# **JetSym**

## **Versions Update**

### **from V3.00 to V3.11**



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# 1 Introduction

Overview of Version Update			
Version	Function	expanded	corrected
V3.1.0	Supported to run under Windows Vista®	✓	
	JetMove105 is now supported	✓	
	Different Background Colours in Motion Setup	✓	
	Adjustement in Page "Amplifier"	✓	
	New Motor Types in Database	✓	
	Support of JetMove OS-Version 2.09	✓	
	Bug-ID #172		✓
	Error in Property Page „Trigger“		
	Bug-ID #171		✓
	Doubled Labels on the Y-axis		
	Bug-ID #167		✓
	Misbehaviour when assigning an extended Oscilloscope File to a Project		
	Bug-ID #283		✓
	Crash during a Program Download		
	Bug-ID #269		✓
	Runtime Error at Reload of Page „Point to Point“		
	Bug-ID #262		✓
	Program Crash during Update of IntelliSense		
	Bug-ID #243 + #255		✓
	Deletion of Folders created in a Workspace		
	Bug-ID #228		✓
	Problem Editing Motion Command „Motion-MovePtp“		
	Bug-ID #212 + #225		✓
	Automatic Type Detection in Setup Window		
	Bug-ID #220		✓
	Disappearance of the Cursor inside Program Editor		
	Bug-ID #236		✓
	Edge Trigger of Oscilloscope Recording		
	Bug-ID #210		✓
	No Oscilloscope Recording in IP-Mode		

	Bug-ID #205	✓
	Motor Movement in Page „Resolver“	
	Bug-ID #205	✓
	Special Characters in Text Variables	
	Bug-ID #198	✓
	Indirectly addressed Text Variables	
	Bug-ID #187	✓
	Marking a Cell by a Mouse Double-Click inside a Setup File	
	Bug-ID #286	✓
	Oscilloscope: Labels do not switch to Float Type	
	Bug-ID #287	✓
	Evaluation of “Application Data” Folder under Windows 98	
	Bug-ID #288	✓
	Display of Float Values in Oscilloscope	
	Bug-ID #291	✓
	Program Crash at Rebuild All	
	Bug-ID #293	✓
	Deletion inside Grid Object	
	Bug-ID #302	✓
	Page “Amplifier”: Combo Box is not hidden	
	Bug-ID #306	✓
	Program Crash at Loading of a Oscilloscope Document	
	Bug-ID #321	✓
	Program Crash when calling “Print Preview”	
	Bug-ID #331	✓
	Problems at Selection of a virtual Encoder	
	Bug-ID #334	✓
	Program Crash at JetSym Termination	
	Bug-ID #338	✓
	Misbehaviour at OS-Update of a Motion Controller	
	Bug-ID #372	✓
	Encoder types displayed several times	
	Bug-ID #376	✓
	Offline at Transfer of a Data Dump File	

	Bug-ID #377		✓
	Problems with Motion Commands of previous JetSym Versions		
	Bug-ID #379		✓
	Error Message when Closing Motion Setup		

## **2 Expansions**

### **2.1 Supported to run under Windows Vista®**

JetSym can now be run under the new operating system Windows Vista®. All adjustments necessary are now implemented.

To enable JetSym to run without errors some the full access rights of standard users to certain folders used by this program needs to be granted. This happens at the end of the installation process as well as at the first start up of JetSym. These actions needs to be allowed by a administrator by confirming the dialogs being displayed.

### **2.2 JetMove105 is now supported**

From this version onwards JetMove205 is fully supported in the wizard as well as in the setup.

### **2.3 Different Background Colours in Motion Setup**

In the motion setup window edit and combo boxes have different background colours according to the online status. It has been introduced to show this status to the user in a more appropriate way.

### **2.4 Adjustment in Page „Amplifier“**

In page „Amplifier“ of the motion setupe a new combo box „Uzk, Nominal Value“ has been added. Only when setting up a JetMove105 it can be selected between two entries, all other JetMove types still offer one entry only.

### **2.5 New Motor Types in Database**

The motor data base has been enlarged by the following new motor types: JL1-0010-002, JL1-0020-004, JL3-0250-015, JL4-0530-032, JH2-0026-005, JH2-0053-006, JH2-0074-006.

### **2.6 Support of JetMove OS-Version 2.09**

The operating system version 2.09 of all JetMove types are now fully supported by this version.



## **3 Eliminated Software Bugs**

### **3.1 Error in Property Page „Trigger“**

Platform: **JetSym Bug-ID #172**

In the property page „Trigger“ of an extended oscilloscope document when a positive or negative trigger edge is selected the button „Another Source“ is mistakenly still disabled.

### **3.2 Doubled Labels on the Y-axis**

Platform: **JetSym Bug-ID #171**

In a extended oscilloscope document some labels of the Y-axis can appear twice.

### **3.3 Misbehaviour when assigning an Oscilloscope File to a Project**

Platform: **JetSym Bug-ID #167**

An extended oscilloscope file, which is not assigned to any project, uses the controller defined in Dialog „Tools/Options“ as its source. If this file opened is now bound to a workspace's project the source does not change to the controller defined in the project's settings. To get the correct source controller, the document needs to be closed and re-opened.

### **3.4 Crash during a Program Download**

Platform: **JetSym Bug-ID #283**

In the property page „General“ of the project setting's dialog the option is activated that a data dump file containing the default values should be transferred too when downloading a program. If this data dump file is empty the program download is aborted by a complete crash of the JetSym software.

### **3.5 Runtime Error at Reload of Page „Point to Point“**

Platform: **JetSym Bug-ID #269**

There is a runtime error whenever the page „Point to Point“ is reloaded by pressing button „Go“ in case of using offline mode. The error does not happen when using online mode.

### **3.6 Program Crash during Update of IntelliSense**

Platform: JetSym Bug-ID #262

If IntelliSense is going to be updated while a large program is compiled, then JetSym crashes. Because the compilation cannot be started during an update of IntelliSense, it is now also disabled to start the IntelliSense update during a program compilation. There is now other way to fix this bug.

### **3.7 Deletion of Folders created in a Workspace**

Platform: JetSym Bug-ID #243 + #255

The deletion of folders created inside a workspace does not work. Only the files located in the specified directory are removed. From this version onwards there is additionally a message displayed in the case a file could not be deleted because of a write protection or other reasons.

### **3.8 Problem Editing Motion Command „MotionMovePtp“**

Platform: JetSym Bug-ID #228

In the dialog opened to edit motion command „MotionMovePtp“ using the keyboard the content of selection box „Positioning Mode“ can be altered once only. After the unique change further ones can only be made using the mouse.

### **3.9 Automatic Type Detection in Setup Window**

Platform: JetSym Bug-ID #212 + #225

Inside a ST project a variable of type Input, Output, Boolean or String is defined using VAR...END\_VAR in the source code. After entering the variable's name into the setup window the type is not detected and displayed automatically.

### **3.10 Disappearance of the Cursor inside Program Editor**

Platform: JetSym Bug-ID #220

In case of software „Internet Explorer 7“ is installed on a PC, the document's cursor (caret) disappears soon after the dialog to edit a motion command is closed.

### **3.11 Edge Trigger of Oscilloscope Recording**

Platform: JetSym Bug-ID #211

If „no edge trigger“ or „negative“ is defined in property page trigger, then the recording is not started event its condition is fulfilled.

## 3.12 No Oscilloscope Recording in IP-Mode

Plattform: **JetSym Bug-ID #210**

Inside property page „Controller“ of dialog to be opened over „Tools/Options“ command no Ethernet interface is selected. If „another controller“ is selected to be the source the recording does not work in IP-mode. The following error message appears on screen: „Oscilloscope Error....and Ethernet interface is expected. Start of Recording aborted“.

## 3.13 Motor Movement in Page „Resolver“

Plattform: **JetSym Bug-ID #205**

When opening page „Resolver“ inside Motion Setup it happens sometimes that at an axis enabled the motor shaft starts moving. If tracking error limit contains a low value the movement normally ends in a tracking error.

## 3.14 Special Characters in Text Variables

Plattform: **JetSym Bug-ID #200**

Monitoring text variables containing special characters like ‘ä’, ‘ö’ or ‘ü’ in the setup window their values are not displayed correctly.

## 3.15 Indirectly addressed Text Variables

Plattform: **JetSym Bug-ID #198**

In the setup window the type of a text variable, which is indirectly addressed over a pointer variable, is not detected as string type.

## 3.16 Marking a Cell by a Mouse Double-Click in a Setup File

Plattform: **JetSym Bug-ID #187**

Double-clicking a cell in a setup file, for instance in one of column „Name“, the containing text is not marked completely. The selection range is only from the left edge to the position of the clicking point.

## 3.17 Oscilloscope: Labels do not switch to Float Type

Plattform: **JetSym Bug-ID #286**

In module mode neither the labels nor the cursors display float values, even the registers are of type float.

### **3.18 Evaluation of „Application Data“ Folder under Windows 98**

Platform: **JetSym Bug-ID #287**

JetSym Version 3.0 is using a function to evaluate the „Application Data“ Folder, which is not available at operating system Windows 98.

### **3.19 Display of Float Values in Oscilloscope**

Platform: **JetSym Bug-ID #288**

If floating point values are sampled neither the scaling numbers of the y-axis nor the cursors are switched to the according display.

### **3.20 Program Crash at „Rebuild all“**

Platform: **JetSym Bug-ID #291**

If a project is completely rebuilt using the serial interface for the communication and having the monitor mode activated, then JetSym crashes.

### **3.21 Deletion inside Grid Object**

Platform: **JetSym Bug-ID #293**

For instance inside a setup file a selection is started beginning at the first row selecting as many rows, so that the first one is not visible anymore. At the end the selected rows are reduced by one and then the selection progress is terminated by releasing the mouse key. Now a deletion cannot be made anymore using the „Del“ key. To enable this functionality again, it is necessary to scroll to the very beginning of the file.

### **3.22 Page „Amplifier“: Combo Box is not hidden**

Platform: **JetSym Bug-ID #302**

Combo boxes for parameter are hidden, if they do not have any function in conjunction with a specific axis type. In case IE Version 6 is installed these combo boxes are still visible. It can be noticed by the user by seeing the combo box without showing the usual label. Changing the value has no effect because it actually has no function at all, as mentioned above.

### **3.23 Program Crash at Loading of a Oscilloscope Document**

Platform: **JetSym Bug-ID #306**

In a newly created oscilloscope document a high number of sampling points (for instance 100000000) is defined. The data sampling is not started, therefore no channel has some

data to display. Now if this document is saved and reloaded, the JetSym program crashes.

### **3.24 Program Crash when calling „Print Preview“**

Platform: **JetSym Bug-ID #321**

JetSym crashes as soon as a JetSym program file is requested to be displayed in a print preview.

### **3.25 Problems at Selection of a virtual Encoder**

Platform: **JetSym Bug-ID #331**

In the motion setup at page „Resolver“ a virtual encoder is selected. After changing to another page and return back, error no. 9 is displayed (malfunction encoder) and “unknown encoder” is displayed in the selection. The current position display shows wrong values altering very quickly.

This problem only happens when Internet Explorer 6 is installed on PC. In case of Internet Explorer 7 it does not occur.

### **3.26 Program Crash at JetSym Termination**

Platform: **JetSym Bug-ID #334**

JetSym crashes at its termination, if a motion setup window is open right at this time.

### **3.27 Misbehaviour at OS-Update of a Motion Controller**

Platform: **JetSym Bug-ID #338**

An operation system of a motion controller is updated. It now can happen, that at a specific file length an empty data block is transferred to the controller at the end. In this case the transfer aborts with an error, even everything is ok.

### **3.28 Encoder types displayed several times**

Platform: **JetSym Bug-ID #372**

A motion setup showing page „Resolver“ is opened. The communication now goes offline and then online again. Now each resolver type is displayed twice. If the controller goes off- and then online another time, the number of the same entries will be doubled again.

### **3.29 Offline at Transfer of a Data Dump File**

Platform: **JetSym Bug-ID #376**

If data blocks of controller flags are transferred (download and upload) the operation aborts with an offline message at the following block transfer.

### **3.30 Problems with Motion Commands of previous JetSym Versions**

Platform: JetSym Bug-ID #377

If behind a motion command a persistent string is saved with JetSym version 2.4, during compiling the error message „Axis or group not defined in motion ()“ can be displayed.

### **3.31 Error Message when Closing of Motion Setup**

Platform: JetSym Bug-ID #379

Page „Reversing“ is opened in setup mode monitoring a motion controller JetMove. Now a new value is entered in one of the three fields above (Position1, Position2, turnaround time) and the motion setup window while this field still has the focus. Now an error message is displayed telling the user that a file could not be found.