



# JetSym

Version Update from V. 5.5.0 to V. 5.5.1

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2.7.2 Falsche Zuordnung des Statusregisters nach Neuanlegen eines JX3-BN-ETH....**Fehler!**  
**Textmarke nicht definiert.**

# 1 New features

Below, all features that are new in this version, as well as the enhancements are listed.

## 1.1 Motion Setup

### 1.1.1 New sensor added to JM-1008

The sensor type **LinMot** has been added to the JM-1008 sensor list.

## 1.2 STX compiler

### 1.2.1 New warning

If too long a constant string is assigned to a string variable, a warning is now displayed.

### 1.2.2 Error message - Array limits

The error message at invalid array limits has been adjusted.

## 1.3 General information

### 1.3.1 Modified NetConsistency.xml

Now, simulation axes are no longer listed in the file **NetConsistency.xml**.

## 2 Fixed software bugs

This chapter describes the software bugs which have been fixed in the new software release.

### 2.1 IntelliSense

#### 2.1.1 JetSym failed to open IntelliSense when defining a method

If the user entered a dot after the method identifier while defining a method, JetSym sometimes failed to open IntelliSense.

### 2.2 Setup

#### 2.2.1 Copying of variable blocks did not work

JetSym failed to copy a highlighted variable block from a program file into the column **Name** of a setup window. As a result, the cells of the column remained empty.

### 2.3 General issues

#### 2.3.1 Wrong tab order and missing shortcut in dialog "Add Project Configuration"

Items in dialog **Add Project Configuration** were not addressed in correct order when the user pressed the Tab key. Further, in this dialog, the shortcut was missing for one of the checkboxes

#### 2.3.2 During program download windows sometimes disappeared

If during program download a message box was displayed and the message was acknowledged, it could happen that the JetSym window disappeared behind other windows on the desktop.

#### 2.3.3 Once a project involving EtherCAT simulation axes had been loaded it was marked as "modified"

Once a project that involved EtherCAT simulation axes had been loaded, it was sometimes marked as **modified** by mistake.

#### 2.3.4 Problems in combination with JetCAN

Simultaneous communication of several control systems (setups, monitor, downloads, etc.) via JetCAN could lead to a crash, to freezing or disconnection.

#### 2.3.5 Restrictions at adding files to the folder "Others"

Existing files could only be added to the folder Others of a certain project, if the file name complied with the JetSym file name conventions.

### 2.4 STX

#### 2.4.1 Incorrect compiler error message

If in source code the keyword **Program** was not followed by a program name, JetSym issued the error message **Controller does not support the STX language**. The correct error message is **Program expected**.

## 2.4.2 Multiple inheritance of interfaces

If interfaces with multiple inheritance were used, the STX compiler considered some of them as non-conforming.

## 2.4.3 Crash of JetSym caused by faulty syntax

If in an STX program there occurred a construct **<known object instance>.<unknown identifier>**, which means there was an invalid field identifier, JetSym occasionally crashed during compilation.

## 2.5 Program editor

### 2.5.1 Now, moving breakpoints is supported

Now, breakpoints can be moved within a program document. To this end, press the control key and drag a breakpoint with the mouse along the page margin of the program document to another line.

### 2.5.2 Incorrect selection in the case of **When ... Then ... Continue ... End\_When**

It could happen that the beginning and end of a selection was incorrect if the keyword **Continue** was used within a **When** block.

### 2.5.3 Problems with tooltips if tabs were used in comments

If there were tabs in comments on a variable declaration, JetSym failed to fully show the tooltip for this variable.

### 2.5.4 Tooltip was not shown in editor sometimes

Sometimes the tooltip was not shown in editor if there was one or several underscores in the identifier name.

### 2.5.5 Inactive menu item **Go To Declaration/Definition for variables and functions**

In the case of variables or functions following an address or dereferencing operator, menu item **Go To Definition/Declaration** could be inactive.

### 2.5.6 **Go To Definition in connection with keyword "this"**

If within a method the keyword **this** was used, it could happen that the function **Go To Definition** of structure elements located behind the keyword did not work.

### 2.5.7 Menu items **"Rename identifier" and "Find references"**

In an implicit structure declaration, the menu items **"Rename identifier"** and **"Find references"** were not active within the shortcut menu.

### 2.5.8 Freezing the program at editing

When editing large program files of several thousand lines of code it could happen that JetSym was frozen for several seconds.

## 2.6 Motion API

### 2.6.1 Parameter in `AxisMovePtp.StartNewTargetPosition()` was optional by mistake

In method `AxisMovePtp.StartNewTargetPosition()` parameter `PositioningMode` was optional by mistake.

## 2.7 Publisher/Subscriber

### 2.7.1 Default settings of the configuration parameter "Activate Error Handling" for inputs

At configuring publisher/subscriber communication, the configuration parameter `Activate Error Handling` for inputs (from the controller perspective) was set to `active` by default.

### 2.7.2 Incorrect assignment of the status register after JX3-BN-ETH was newly created

Publisher / Subscriber status registers have been assigned to the wrong publisher after creating a new JX3-BN-ETH.