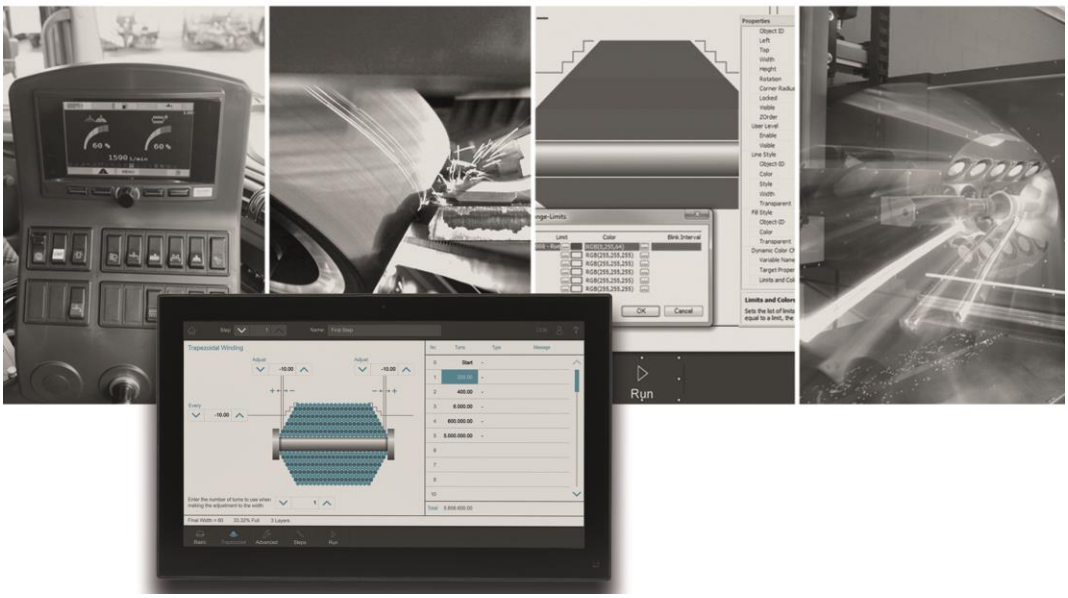
Jetter automation



JetViewSoft

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We automate your success.

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Table of contents

1 Introduction 5

2 New features and enhancements 7

New vector graphics platforms for design time and runtime 7
New control "Slider" for vector graphics platform 7
New control "Scalable Vector Graphics" (SVG) for vector graphics platform 7
Scaling feature for texts in objects on the vector graphics platform 7
Project converter for upgrading projects to vector graphics 7
Gesture commands for swiping, zooming and scrolling 8
New events for geometric objects and images in STX runtime 8
JetSym data type "Bits" is supported in JetViewSoft and JVER (on all STX platforms) 8
Post Deploy Step for executing a batch file 8
Folder in the output directory can be protected against being deleted 9
Changing text in a text box, input box and on a button in design view - "Live Editing" 9
Revised overall progress bars for deployment 9
Object preview with selection of background color 9
In the Property grid, name and ID of an object are always visible 9
New Restart button on the toolbar - Simplified deployment onto the device (individual steps are combined) 9
Failure to scroll the Property grid when switching the selected object 10
Command "Open" is available for files in subfolders of the project tree. 10
Confirmation dialog for removing elements from the project tree by "Don't show again" 10
Checkbox can be operated by means of VisuCmd(Get) attributes 10
Start/Stop simulation is available in the Debug menu, too 10
New macro commands for vector graphics platform: "Focus" and "Scroll" 10

3 Fixed software bugs 11

Bug in the Add Folder dialog fixed 11
FontStyles of Headers in the grid cannot be changed any more 11
Failure to initialize a DynIO in the case of a combo box 11
The combo box of the type "DropDownList" can not be operated by digipot 11
The runtime crashes when an alarm is to be acknowledged the trigger of which has already been reset 12
In building a project, file links in project tree folders are not correctly mapped into the output folder 12
Alarms are not correctly displayed after they were acknowledged 12
Failure to correctly update the State button dynamized by a variable 12
When a group of events is imported from the library, the runtime crashes 13
STX command "VisuCmdBackgroundColor" did not work for button objects 13
In simulations of a JVM-507B, softkey masks can not be operated through F keys 13
“Foreign key constraint” error in the hardware resource 13
The Undo/Redo feature does not work properly in the Resource views 14
In standard and system resources, the navigation bar of the resource grid overwrites the Zoom control 14
Projects with alarm configuration could not be operated through the Tab key or digipot during runtime 14
Changes to variable names in JetSym are not recognized in JetViewSoft 14
The setting "ConfirmWriteTag" for the digipot is being ignored 15
The combo box does not fire the event OnSelectionChange 15

Expanded array or struct elements continue to be displayed when the variables are deleted ... 15
Register addressing is incorrect if an ArrayOfStruct holds an RL string ... 15
Bug when zooming the Resource view fixed ... 16
Navigation key on the last softkey page incorrectly placed ... 16
In creating a workspace and a project, special characters and umlauts are allowed, which is not correct ... 16
When the background color of a mask is changed during runtime, a refresh problem occurs ... 16
For the CAN deployment path the FTP deployment path is always used by mistake ... 17
On touchscreens two OnMouseLeave events are fired, although the mouse cursor does not move ... 17
The STX combo box does not always accept a selection ... 17
If the macro command WriteVariable was applied to a StringVariable, the first point/dot in the value to be written was converted into a comma. ... 17
Representation of the two least font sizes is too large on the S platform during runtime ... 18
Using the digipot on a JVM-104 in combination with list boxes or combo boxes affects key bits ... 18
A message box can not be acknowledged using the digipot / JCM-CE 6.0 ... 18
Graphics error in meter objects ... 18

1 Introduction

Overview Version 5.0.0

The following table gives an overview of newly added or enhanced features and fixed software bugs:

Function	New	Added	Fixed
New vector graphics platforms for design time and runtime	✓		
New control "Slider" for vector graphics platform	✓		
New control "Scalable Vector Graphics" (SVG) for vector graphics platform	✓		
Scaling feature for texts in objects	✓		
Project converter for upgrading projects to vector graphics		✓	
Gesture commands for swiping, zooming and scrolling	✓	✓	
New events for geometric objects and images in STX runtime	✓	✓	
JetSym data type "Bits" is supported in JetViewSoft and JVER (on all STX platforms)	✓	✓	
Post Deploy Step for executing a batch file	✓		
Folder in the output directory can be protected against being deleted	✓		
Changing text in a text box, input box and on a button in design view - "Live Editing"	✓		
Revised overall progress bars for deployment		✓	
Object preview with selection of background color		✓	
In the Property grid, name and ID of an object are always visible	✓		
New Restart button on the toolbar - Simplified deployment onto the device (individual steps are combined)	✓	✓	
Failure to scroll the Property grid when switching the selected object		✓	
Command "Open" is available for files in subfolders of the project tree.		✓	
Confirmation dialog for removing elements from the project tree by "Don't show again"		✓	
Checkbox can be operated by means of VisuCmd(Get) attributes		✓	
Start/Stop simulation is available in the Debug menu, too		✓	
New macro commands for vector graphics platform: "Focus" and "Scroll"	✓		
Bug in the Add Folder dialog fixed			✓
FontStyles of Headers in the grid cannot be changed any more			✓
Failure to initialize a DynIO in the case of a combo box			✓
The combo box of the type "DropDownList" can not be operated by digipot			✓
The runtime crashes when an alarm is to be acknowledged the trigger of which has already been reset			✓
In building a project, file links in project tree folders are not correctly mapped into the output folder			✓

Function	New	Added	Fixed
Alarms are not correctly displayed after they were acknowledged			✓
Failure to correctly update the State button dynamized by a variable			✓
When a group of events is imported from the library, the runtime crashes.			✓
STX command "VisuCmdBackgroundColor" did not work for button objects			✓
In simulations on a JVM-507B, softkey masks can not be operated through F keys			✓
“Foreign key constraint” error in the hardware resource			✓
The Undo/Redo feature does not work properly in the Resource views			✓
In standard and system resources, the navigation bar of the resource grid overwrites the Zoom control			✓
Projects with alarm configuration could not be operated through the Tab key or digipot during runtime			✓
Changes to variable names in JetSym are not recognized in JetViewSoft			✓
The setting "ConfirmWriteTag" for the digipot is being ignored			✓
The combo box does not fire the event OnSelectionChange			✓
Expanded array or struct elements continue to be displayed when the variables are deleted			✓
Register addressing is incorrect if an ArrayOfStruct holds an RL string			✓
Bug when zooming the Resource view fixed			✓
Navigation key on the last softkey page incorrectly placed			✓
In creating a workspace and a project, special characters and umlauts are allowed, which is not correct			✓
When the background color of a mask is changed during runtime, a refresh problem occurs			✓
For the CAN deployment path the FTP deployment path is always used by mistake			✓
On touchscreens two OnMouseLeave events are fired, although the mouse cursor does not move			✓
The STX combo box does not always accept a selection			✓
If the macro command WriteVariable was applied to a StringVariable, the first point/dot in the value to be written was converted into a comma.			✓
Representation of the two least font sizes is too large on the S platform during runtime			✓
Using the digipot on a JVM-104 in combination with list boxes or combo boxes affects key bits			✓
A message box can not be acknowledged using the digipot / JCM-CE 6.0			✓
Graphics error in meter objects			✓

2 New features and enhancements

Introduction The present release includes new or enhanced features described below.

New vector graphics platforms for design time and runtime

Design/runtime: Platforms This new platform allows for complete and lossless scalability of all objects (except for bitmap graphics). Thus, projects that were designed for a specific resolution of the target device can be used on displays with a different resolution without any loss.

New control "Slider" for vector graphics platform

Design/runtime: Operation The new Slider object has been added to the vector graphics platform.

New control "Scalable Vector Graphics" (SVG) for vector graphics platform

Design/runtime: Operation The vector graphics platform lets you directly include SVG graphics.

Scaling feature for texts in objects on the vector graphics platform

Design/runtime: Operation If on the vector graphics platform controls containing text are scaled/zoomed, the text is scaled along with the control.

Project converter for upgrading projects to vector graphics

Design time: Operation The project converter has been enhanced in a way that enables projects from older platforms to be upgraded to the vector graphics platform.

Gesture commands for swiping, zooming and scrolling

Design/runtime:
Operation

Gestures for vector graphics and STX platforms

Swipe

Gestures for vector graphics platform

Scroll (pan)
Zoom (pinch)

New events for geometric objects and images in STX runtime

Design/runtime:
Event handling

The following events are available:

OnMouseDown
OnMouseUp
OnMouseLeave
OnMouseEnter

Application example:
Launch an axis by OnButtonDown. If you "slip" on the touch display and leave the input area of the pressed button, the OnButtonUp event for stopping the axis is no longer fired. The OnMouseLeave event fixes this problem.

JetSym data type "Bits" is supported in JetViewSoft and JVER (on all STX platforms)

Design/runtime:
Communication

The data type "Bits" (linked via TagDB) behaves in JetViewSoft and JVER like a DWORD.

In JetSym this data type can be used for working with register bits.

Post Deploy Step for executing a batch file

Design time:
Compiler

Following deployment, a command can automatically be issued which will then execute a batch file.

Folder in the output directory can be protected against being deleted

Design time:
Compiler

The central file "Application.config" has been introduced in the platform directory. It lists all directories which are to be deleted.

Changing text in a text box, input box and on a button in design view - "Live Editing"

Design time:
Operation

The vector graphics platform now supports direct editing of texts in text boxes, input boxes and buttons.

Revised overall progress bars for deployment

Design time:
Operation

The progress bar now reflects the duration of the whole deployment process, and not only the time required for transferring a file.

Object preview with selection of background color

Design time:
Operation

If objects have got the same color as the background color in object preview, JVS lets you now select a different background color to improve visibility.

In the Property grid, name and ID of an object are always visible

Design time:
Operation

In the property grid Name and ID have fixed positions, i.e. these fields are always visible and their positions will not change when you scroll in the property grid.

New Restart button on the toolbar - Simplified deployment onto the device (individual steps are combined)

Design time:
Operation

New button for stopping the runtime environment in a deployment process. Depending on the configuration, the steps Save, Compile, and Deploy will be executed and the runtime will be restarted.

Failure to scroll the Property grid when switching the selected object

Design time:
Operation

See heading.

Command "Open" is available for files in subfolders of the project tree.

Design time:
Operation

JVS lets you integrate any file into project sub-folders. Now, the icon linked with the file extension is displayed. When you double-click such a file, the application linked with this file is launched and the file is loaded.

Confirmation dialog for removing elements from the project tree by "Don't show again"

Design time:
Operation

See heading.

Checkbox can be operated by means of VisuCmd(Get) attributes

Design/runtime:
Operation

All STX platforms let you retrieve the state of the check box (ticked/unticked) from the STX controller and set the check box.

Start/Stop simulation is available in the Debug menu, too

Design time:
Operation

See heading.

New macro commands for vector graphics platform: "Focus" and "Scroll"

Design/runtime:
Operation

Two macro commands have been added:

Focus(In/Out), resp. Focus(In/Out, factor)
Scroll(Left/Right/Up/Down, offset)

3 Fixed software bugs

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

Bug in the Add Folder dialog fixed

Design time: **Operation**	Now, you must specify a folder name to be able to exit the dialog by pressing OK.
Remedy/workaround	-

FontStyles of Headers in the grid cannot be changed any more

Design time: **Operation**	In an existing grid, changes made to the font style of column and row headings were of no effect.
Remedy/workaround	-

Failure to initialize a DynIO in the case of a combo box

Runtime: **Display error**	If a DynIO (TargetProperty = Text) was assigned to a combo box, JVS failed to synchronize the data point and did not show the text when it was displayed for the first time.
Remedy/workaround	-

The combo box of the type "DropDownList" can not be operated by digipot

Runtime: **Operation**	In a combo box of the type DropDownList the selection list could be opened by means of the digipot, but the digipot did not work within the selection list.
Remedy/workaround	-

The runtime crashes when an alarm is to be acknowledged the trigger of which has already been reset

Runtime: **Alarm Service**	The runtime crashes when an alarm has already been reset.
Remedy/workaround	-

In building a project, file links in project tree folders are not correctly mapped into the output folder

Design time: **Compiler**	This STX compiler bug has been fixed.
Remedy/workaround	-

Alarms are not correctly displayed after they were acknowledged

Runtime: **Alarm Service**	If an alarm, that was no longer active, was acknowledged in the HistoryList, it was displayed in the StateList and alarm dialogs as active, acknowledged Alarm. Only alarms with triggers for EnterRange and LeaveRange were affected by this bug.
Remedy/workaround	-

Failure to correctly update the State button dynamized by a variable

Runtime: **Display error**	If a button of the type "State" was dynamized, it could happen that changes to the associated variable did not cause the button to be refreshed.
Remedy/workaround	-

When a group of events is imported from the library, the runtime crashes

Design time: Library	This error has been fixed.
Remedy/workaround	-

STX command "VisuCmdBackgroundColor" did not work for button objects

Runtime: Operation	This error has been fixed.
Remedy/workaround	-

In simulations of a JVM-507B, softkey masks can not be operated through F keys

Runtime: Simulation	In simulations of a JVM-507B the assignment of F keys to softkey positions was missing. This is why softkeys could not be operated by their associated F key.
Remedy/workaround	-

“Foreign key constraint” error in the hardware resource

Design time: Resource management	When new elements were inserted in the hardware resource view, this error occurred.
Remedy/workaround	-

The Undo/Redo feature does not work properly in the Resource views

Design time: **Resource management**	This bug has been fixed for all resource views (hardware, system and standard resource).
Remedy/workaround	-

In standard and system resources, the navigation bar of the resource grid overwrites the Zoom control

Design time: **Resource management**	The window layout for the above views has been fixed.
Remedy/workaround	-

Projects with alarm configuration could not be operated through the Tab key or digipot during runtime

Runtime: **Alarm Service**	In projects with alarm configuration navigation could not be operated through the Tab key or digipot during run time. Furthermore, it was not possible to make changes to values in input boxes by means of the digipot.
Remedy/workaround	-

Changes to variable names in JetSym are not recognized in JetViewSoft

Design time: **Handling of variables**	If in JetSym changes were made to a name within a data structure, JetViewSoft failed to recognize these changes. A data point that was assigned to this structure element did not work during run time. Now, the compiler signals an error.
Remedy/workaround	-

The setting "ConfirmWriteTag" for the digipot is being ignored

Runtime: **Handling of variables**	If this setting was enabled in the project properties, it did not have any effect during run time. There was no Confirm dialog to accept the values.
Remedy/workaround	-

The combo box does not fire the event OnSelectionChange

Design time: **Event handling**	A combo box without DynIO (TargetProperty = ListIndex) does not fire an OnSelectionChange event during run time if the user makes changes to the selection.
Remedy/workaround	-

Expanded array or struct elements continue to be displayed when the variables are deleted

Design time: **Handling of variables**	If the tree node of a a structure variable was expanded in the Variables window and the variable was deleted afterwards, the Variables window continued to show the details on the variable that was deleted.
Remedy/workaround	-

Register addressing is incorrect if an ArrayOfStruct holds an RL string

Design time: **Handling of variables**	The start address of the second array element was incorrect if a Struct element contained an RL string that does not start at a complete register. The address calculation bug has been fixed.
Remedy/workaround	-

Bug when zooming the Resource view fixed

Design time: **Resource management**	Display error bug when using the Zoom control in Resource view has been fixed.
Remedy/workaround	-

Navigation key on the last softkey page incorrectly placed

Design/runtime: **Display error**	If on a two-column SoftKey mask with NavigationKeys in Auto mode more than one page was used, the navigation key on the last softkey page was placed in the opposite column by mistake. In the runtime environment, this caused the softkeys in the last column to be shifted which could result in one more softkey page. If this was the case, the key assignments on this softkey page were incorrect. When navigating in Auto mode, all pages that follow the one with navigation arrows only, must not display any navigation arrows.
Remedy/workaround	-

In creating a workspace and a project, special characters and umlauts are allowed, which is not correct

Design time: **Operation**	Critical special characters are no longer allowed.
Remedy/workaround	-

When the background color of a mask is changed during runtime, a refresh problem occurs

Design time: **Display error**	If changes were made to the background color of a mask, the refresh function of the associated mask view did not work properly.
Remedy/workaround	-

For the CAN deployment path the FTP deployment path is always used by mistake

Design time: Operation	This bug has been fixed.
Remedy/workaround	-

On touchscreens two OnMouseLeave events are fired, although the mouse cursor does not move

Runtime: Operation	This bug has been fixed.
Remedy/workaround	-

The STX combo box does not always accept a selection

Runtime: Operation	If in a STX combo box of the type DropDown text was entered into the edit box and this text was not part of the associated DropDownList, then ListIndex -1 was returned. As a result, the combo box (if it contained a DynIO for the ListIndex and a DynIO for the text) did no longer allow the user to select an item from the DropDownList of the combo box.
Remedy/workaround	-

If the macro command WriteVariable was applied to a StringVariable, the first point/dot in the value to be written was converted into a comma.

Design time: Operation	If in a macro the command WriteVariable was applied to a StringVariable and the text to be passed on included one or several points/dots, the first point/dot was converted into a comma.
Remedy/workaround	-

Representation of the two least font sizes is too large on the S platform during runtime

Runtime: **Display error**	The characters of font size 6x8 and 8x8 were too large. The lower part of the lower case letters g, j, p, and q was truncated if the height of the output string was such that the character exactly fit into the space.
Remedy/workaround	-

Using the digipot on a JVM-104 in combination with list boxes or combo boxes affects key bits

Runtime: **Operation**	If a list box or combo box was operated with the digipot, bits 3 and 4 of the key register on the controller were affected when the digipot was turned. Pressing the digipot in a combo box affected bit 0. Edit box and Grid combo box/DropDownList worked correctly.
Remedy/workaround	-

A message box can not be acknowledged using the digipot / JCM-CE 6.0

Runtime: **Operation**	Dialog buttons, such as the OK or Cancel button in a message box or a UserInput, could not be operated using the digipot. Changing the focus by means of the digipot between these dialog objects worked properly. In UserList, UserLevelList and Alarm Dialog navigation within lists by means of the digipot did not work. However, the buttons could be operated using the digipot.
Remedy/workaround	-

Graphics error in meter objects

Runtime: **Display error**	This bug has been fixed.
Remedy/workaround	-

Jetter AG
Graeterstrasse 2
71642 Ludwigsburg | Germany

Phone +49 7141 2550-0
Fax +49 7141 2550-425
info@jetter.de
www.jetter.de

We automate your success.