



JetViewSoft
Version Update
from V1.21 to V1.3



Jetter AG reserves the right to make alterations to its products in the interest of technical progress. These alterations need not be documented in every single case.

This manual and the information contained herein have been compiled with due diligence. However, Jetter AG assumes no liability for printing or other errors, as well as for damages arising from such errors.

The brand names and product names used in this document are trademarks or registered trademarks of the respective title owner.

Table of Contents

1	Introduction	5
2	New Functions/Features	7
2.1	The script library has been completed	7
2.2	Revised help system and sample files	8
2.3	Completed tag editor functions	8
2.4	New event function in a document	8
2.5	Enhanced password functions	8
2.6	Now, JetView RT offers a TraceMonitor	8
2.7	Now, JetViewRT offers an error logging for the whole project	8
2.8	Now, the JetViewRT demo will be terminated after 10 minutes	9
2.9	The 'Internet Explorer for CE' now also uses the new compiler.	9
3	Fixed Software Bugs	10
3.1	Failure when including resources	10
3.2	Compiler does not create CustomScript	10
3.3	Input dialog exhibits erroneous behaviour	10
3.4	Password property didn't work	10
3.5	ReadOnly property didn't work	10
3.6	StyleSheet files could not be included	10
3.7	Script files could not be included	10
3.8	The instruction 'JVWriteTag()' always returned 'false'.	10
3.9	Register blocks could not be written.	10
3.10	The JVReadTag() return value has been changed	11
3.11	Lines could not be selected	11
3.12	Text was not taken over	11

3.13 LineStyle could not be changed	11
3.14 FillStyle could not be changed	11
3.15 Switching between Page-, and EventHandler view	11
3.16 Start page settings got lost	12
3.17 Failure to initialize active tags	12
3.18 Error when transferring register blocks	12
3.19 No updating of fields in Windows CE frames	12
3.20 The FillStyles had double entries in the Hatch Listbox	12
3.21 JetViewSoft crashed when runtime was terminated	12
3.22 Error in trendgraph has been fixed	12
3.23 Incorrect representation of a label component during runtime	12

1 Introduction

Overview of Version Updates			
Version	Function	Added	Fixed
V1.3	The script library has been completed	✓	
	The help system and the sample files have been revised	✓	
	Tag editor functions have been completed	✓	
	New event function in a document	✓	
	Enhanced password functions	✓	
	Now, JetView RT offers a TraceMonitor	✓	
	Now, JetViewRT offers an error logging for the whole project	✓	
	Now, the JetViewRT demo will be terminated after 10 minutes	✓	
	The 'Internet Explorer for CE' now also uses the new compiler.	✓	
	Enhanced integration of external ActiveX components	✓	
	Failure when including resources		✓
	Compiler does not create CustomScript		✓
	Input dialog exhibits erroneous behaviour		✓
	Password property didn't work		✓
	ReadOnly property didn't work		✓
	StyleSheet files could not be included		✓
	Script files could not be included		✓
	The instruction 'JVWriteTag()' always returned 'false'.		✓
	Register blocks could not be written.		✓
	The JVReadTag() return value has been changed		✓
Lines could not be selected		✓	

Overview of Version Updates			
Version	Function	Added	Fixed
V1.3	Text was not taken over		✓
	LineStyle could not be changed		✓
	FillStyle could not be changed		✓
	Switching between Page-, and EventHandler view has been revised		✓
	Start page settings got lost		✓
	Failure to initialize active tags (column Active = true)		✓
	Error when transferring register blocks		✓
	No updating of fields in Windows CE frames		✓
	The FillStyles had double entries in the Hatch Listbox		✓
	JetViewSoft crashed when runtime was terminated		✓
	Error in Trendgraph		✓
	Incorrect representation of a label component during runtime		✓
	Database connectivity error of the grid component has been fixed		✓
	Database connectivity error of the trendgraph component has been fixed		✓
No unique database assignment in JetLocalData-Service		✓	

2 New Functions/Features

2.1 The script library has been completed

- 3 new functions for time measurement have been implemented:

JVResetTickCount()	This function is for resetting the counter.
JVGetTickCount()	This function is for returning the number of milliseconds that have elapsed since the last reset.
JVGetTickInterval()	Returns the time (in milliseconds) that has elapsed since the last call up of the JVResetTickCount() instruction. Then, JVResetTickCount() will be called up.

This function is for defining the processing time of certain program sequences.

- The new function JVRefreshTags() has been implemented. Calling up this function causes an update of all tags for which the active flag in the communication service is set to 'true' or 'auto'. However, tags with the active flag = 'auto' are only taken into account if they are used within a dynamic function.

This function can, for example, be used in the event 'OnCommStatusChanged' in order to update dynamic elements after connection with the controller was interrupted.

- The new function JVCreateArray(String Tag, String Value) has been implemented. This function is for converting the block string **Value** (of a read operation JVReadTag) into a standardized field. At the moment, this field may consist of the types 'int', 'bool' or 'float'. In this connection, the field type is defined by the type of the parameter **Tag**. Following conversion, direct access to field data is possible, for example, by means of the array index.

Example:

```
var aValues = JVCreateArray("Inputs", JVReadTag("Inputs"));

for(nI = 0; nI < aValues.lenght; nI++)
{
    // Assigning inputs to checkboxes
    eval("checkInputs_" + nI + ".checked = aValues[" + nI + "];");
}
```

- In order to display scrollbars, the attribute "scroll:yes" works for the JVShowDialog() instruction. The property 'Enable scrolling' has to be set to 'true' on the dialog page to be displayed.

2.2 Revised help system and sample files

Both, the help system and the sample files have been enhanced and improved.

2.3 Completed tag editor functions

- Now, TagEditor allows to insert lines.
- Pressing the Tab key now does not cause the screen to switch between tree structure and table view, but moves the cursor within the table.
- Cursor left/right now moves the cursor in the columns 'Type' and 'Active', as well.

2.4 New event function in a document

The document now features a new event function:

OnCommStatusChanged (Status,Description)

This event is caused by communication once a connection has been established (Status = 1), and once it has been interrupted (Status = 2).

2.5 Enhanced password functions

In case an input box was designed as password input, the input dialog will automatically be displayed as password input.

2.6 Now, JetView RT offers a TraceMonitor

Now, JetView RT features a TraceMonitor. Any text can be output in the Trace window by means of the script instruction 'JVTrace(Text)'.

This window can be displayed through the system menu or the script instruction 'JVShowTraceWindow(left,top,width,height)'. If the instruction is called up without parameter, JetViewRT decides where the window will be displayed. The example *Analyzer* demonstrates how to use the Trace Monitor.

2.7 Now, JetViewRT offers an error logging for the whole project

Now, JetViewRT logs and displays errors in the script of HTML pages centrally for the whole project. The window containing the error log can be displayed through the system menu or the script function JVShowErrorReport().

2.8 Now, the JetViewRT demo will be terminated after 10 minutes

So far, the JetViewRT demo version was limited by the maximum number of components. Now, this limitation has been replaced by a runtime limitation to 10 minutes.

2.9 The 'Internet Explorer for CE' now also uses the new compiler.

HTML projects for devices running on Windows CE are now also created using the new optimized compiler.

2.10 Enhanced integration of external ActiveX components

Representation of external ActiveX components in the JetViewSoft editor has been enhanced. So far, it could happen that an ActiveX was also displayed outside its surrounding rectangle. Furthermore, the entry '(User Defined)', allowing access to an integrated ActiveX property dialog, is now displayed in the category section of the property window.

3 Fixed Software Bugs

3.1 Failure when including resources

If a resource file was only used for including other files, the compiler erroneously reported an error.

3.2 Compiler does not create CustomScript

If a page was absolutely empty (containing no components), no CustomScript was created.

3.3 Input dialog exhibits erroneous behaviour

- If the input dialog was used to enter a new value, the value was entered, however, the input box was not updated with the new value. (the focus was set to the input box which blocked updating).
- Once a value outside the permitted limits was entered, an error message was displayed and the value was *not* transmitted to the controller. The illegal value, however, remained in the input box.

3.4 Password property didn't work

The 'Password' property didn't work. Every time, an ordinary text box was displayed.

3.5 ReadOnly property didn't work

The 'ReadOnly' property didn't work for the input box.

3.6 StyleSheet files could not be included

StyleSheet files were not included into the higher-level page.

3.7 Script files could not be included

Script files were not included into the higher-level page.

3.8 The instruction 'JVWriteTag()' always returned 'false'.

The instruction 'JVWriteTag()' always returned 'false', no matter whether the access was successful or not.

3.9 Register blocks could not be written.

It was not possible to write tags with a block size > 0 using the instruction 'JVWriteTag()'.

3.10 The JVReadTag() return value has been changed

If a block tag is read by means of the 'JVReadTag()' instruction, this instruction will now not return a typified array, but the direct value returned by the communication. This is a string containing the values separated by a semicolon. Then, this string can be converted into a typified array using the function *JVCreateArray()* (see above).

The 'BlockSample' example has been revised accordingly and demonstrates how this instruction is used.

3.11 Lines could not be selected

Once a line was grouped with other objects (e.g. analog clock: circle with hands), it could no more be selected .

3.12 Text was not taken over

If a label text has been changed within the property window, this change was not taken over if one clicked outside the input box.

3.13 LineStyle could not be changed

LineStyle could not be set since the LineStyle listbox in the property window did not show the possible options.

3.14 FillStyle could not be changed

HatchStyles could not be set since the HatchStyle listbox in the property window did not show the possible options.

3.15 Switching between Page-, and EventHandler view

Switching between Page- and EventHandler view caused the event window used last to be deselected.

The behaviour has been changed as follows:

When you double-click on a component, now, the program automatically jumps to the EventHandler view and selects the component that has been double-clicked. If an EventHandler has not yet been assigned to a component, the AddEvent dialog automatically opens where you can select the default event.

If at least one EventHandler has been assigned to a component, the first entry is selected.

Note: With components (Text and ActiveX), for which double-clicking has already been assigned to other functions, a double-click can be carried out by simultaneously pressing the STRG key.

3.16 Start page settings got lost

If the page that was defined as start page has been deleted from a project, then no start page was defined at all. Now, in the given case the first page of a project is set as start page.

3.17 Failure to initialize active tags

When loading a side, active tags ('true' has been entered into the column 'active' of the Communication Service) were not initialized.

Now, all tags, that have explicitly been activated by setting the active flag to 'true', are read in once when the side is loaded. Then the event OnDataChange is initiated. So far, this was the case only for tags which were used in a dynamic function.

3.18 Error when transferring register blocks

Writing register blocks could cause the Internet Explorer / JetViewRT to crash.

3.19 No updating of fields in Windows CE frames

If a page consisted of several frames, then only the dates of one frame were updated.

3.20 The FillStyles had double entries in the Hatch Listbox

The last entry in the listbox for hatch styles occurred twice.

3.21 JetViewSoft crashed when runtime was terminated

On termination of the runtime (JetViewRT or Internet Explorer) an error message appeared. This error mainly occurred when the controller was in offline mode, and the communication service tried to re-establish a connection.

3.22 Error in trendgraph has been fixed

Loading a trendgraph caused a program crash. The reason for this crash was that some text files were loaded into a too small memory area. There, already existing data were overwritten.

3.23 Incorrect representation of a label component during runtime

During run-time, representation of a label component didn't match the representation as drawn in the JetViewSoft editor. The representation has been revised.

Note: If extensive projects exist, it might make sense to use the old representation. In this case, existing masks need not be adjusted. To do so, in the corresponding platform template the setting for "General/Feature/UseOldLabelPresentation" has to be set to 1.

3.24 Database connectivity error of the grid component has been fixed

Once the contents of a database table were displayed in the grid, the corresponding SQL query resulted in column and table names framed by square brackets since MSAccess, and MSSQLServer allow names with blanks. It became apparent that these square brackets are not in conformity with SQL. Therefore, it may happen that in some cases table contents of third party databases cannot be displayed in the grid. Starting from this version, table and column names are framed by square brackets only if they contain blanks. If line number 0 was assigned to the grid, its representation was incorrect. This bug has been fixed.

3.25 Database connectivity error of the trendgraph component has been fixed

An SQL query for determining sampling values resulted in column and table names framed by square brackets since MSAccess, and MSSQLServer allow names with blanks. It became apparent that these square brackets are not in conformity with SQL. Therefore, it may happen that in some cases sampling values of third party databases cannot be displayed in the grid. Starting from this version, table and column names are framed by square brackets only if they contain blanks.

3.26 No unique database assignment in JetLocalDataService

For LocalDataService the database name "MyDatabase" was used as default. This could cause errors if several projects were carried out at a time. Starting from this version, the project name and the name of the communication service are used as prefix. Example: "MyProject.JetLocalData.MyDatabase"