



JX2-SV1
Version Update
from V. 1.48 to V. 1.49



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

This manual and the information contained herein have been compiled with due diligence. Jetter AG shall not be liable for printing errors contained herein or for other consequential damage.

The brand names and product names used in this manual are trade marks or registered trade marks of the respective title owner.

Table of Contents

1	Introduction	4
2	Eliminated Software Bugs	6
2.1	Encoder reading was wrong after reference run with model JX2-SV1C	6
2.2	No access to registers	6

1 Introduction

Version Updates - Survey			
Version	Function	upgraded	corrected
JX2-SV1 V1.24	New technological function "Flying Shear"	✓	
	Registers for the positioning offset for technological functions in master-slave mode: Registers 1x139 and 1x595	✓	
	Register for speed limitation in the technological function "Follower Control": Register 1x503	✓	
	Releasing the slave from master-slave operation by means of the positioning command in the technological function "Follower Control"	✓	
	Overflow problem in the technological function "Follower Control", variant: Table		✓
	Overflow problem in the technological function "Follower Control", if an absolute encoder is used by the master.		✓
	A tracking error has occurred during the reference run		✓
JX2-SV1 V1.25	Technological function "Flying Shear"; immediate cutting.	✓	
JX2-SV1 V1.33	Technological function "Winding"	✓	
	The position of the spindle on the circumference is displayed		
	Offset of the traversing axis		
	"Jump at the Edge" function		
	Malfunctioning concerning the "Void Increments" function		✓
	The winding gradient during the winding process equals zero		✓
	Technological function "Follower Control", "Table Mode", "Handling of Overflows"		✓
	If a resolver error occurs, enable is switched off		✓
JX2-SV1 V1.40	Technological function "Winding"		
	The mathematical rounding in the turns counter can be switched off	✓	
	Digital winding functions properly again		✓

	<p>Technological function "Position control to the position of another module"</p> <p>The encoder can be switched during position control</p> <p>Position controller: The speed pre-control is scalable</p> <p>Digital offset in position feedback mode 0</p>	<p>✓</p> <p>✓</p>	<p>✓</p>
JX2-SV1 V1.43	<p>Technological function "Follower Control"</p> <p>Tracking error at power-up, if the master counter has had an overflow before.</p> <p>Overflow of the table could at times fail at processing the upper table.</p> <p>Relative positioning</p> <p>Issuing command 19 twice could lead to wrong positioning.</p> <p>Technological function "Position control to the position of another module"</p> <p>As of V. 1.40, there has been no overflow processing in relative positioning and endless mode.</p>		<p>✓</p> <p>✓</p> <p>✓</p>
JX2-SV1 V1.48	<p>Technological function "Winding"</p> <p>"Varying Winding Factors" function</p> <p>Displaying the winding direction</p>	<p>✓</p>	
	<p>At entering the "void increments", the axis will "jump".</p>		<p>✓</p>
	<p>Referencing by means of a bridge between K0 and K1</p>		<p>✓</p>
	<p>Driving by a very large digital offset</p>		<p>✓</p>
JX2-SV1 V1.49	<p>Wrong encoder setup after reference run with model JX2-SV1C</p> <p>Wrong register access to 1x178 and 1x179</p>		<p>✓</p> <p>✓</p>

2 Eliminated Software Bugs

2.1 Encoder reading was wrong after reference run with model JX2-SV1C

Attention: This wrong behaviour was only seen with model JX2-SV1C

In the older versions it could happen, that the setup of the incremental encoder (i.e. slope counting, filter setup etc.) was wrong after the reference run.

2.2 No access to registers

In version 1.48 it was not possible to read register 1x179 as well to read and write register 1x178.