



**JetControl 24x
Version Update
from V3.00 to V3.01**



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 or 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.

Contents

1	Introduction	4
2	Expansions	5
2.1	User program	5
2.2	Hardware	6
3	Eliminated Software Bugs	7
3.1	pcom7/JetIP server	7
3.2	Interpreter	7

1 Introduction

Overview of Version Update			
Version	Function	expanded	corrected
V2.01	system bus	✓	✓
	interpreter	✓	
	user program		✓
	email		✓
V2.03	hardware		✓
V3.00	file system	✓	
	interpreter	✓	
	register interface	✓	
	pcom5/JetIP server	✓	
	email	✓	✓
	debug interface	✓	
	real-time clock		✓
	hardware	✓	✓
V3.01	user program	✓	
	pcom7/JetIP server		✓
	interpreter		✓
	hardware	✓	

2 Expansions

2.1 User program

The length of the user program and its build time and date can be read in some registers. The contents of these registers are only valid, if a user program has been started. For that, the toggle switch must be set to 'RUN' at power up, or the program has to be started by JetSym.

Register 2035: User program length	
Function	Description
Read	user program length in byte
Write	not possible
Value range	0 .. 65536 [bytes]
Value after Reset	0

Register 2970: Minutes	
Function	Description
Read	user program build time: minutes
Write	not possible
Value range	0 .. 59
Value after Reset	0

Register 2971: Hours	
Function	Description
Read	user program build time: hours
Write	not possible
Value range	0 .. 23
Value after Reset	0

Register 2972: Day	
Function	Description
Read	user program build date: day
Write	not possible
Value range	1 .. 31
Value after Reset	0

Register 2973: Month	
Function	Description
Read	user program build date: month
Write	not possible
Value range	1 .. 12
Value after Reset	0

Register 2974: Year	
Function	Description
Read	user program build date: year
Write	not possible
Value range	0 .. 65535
Value after Reset	0

2.2 Hardware

This version supports the latest processor generation NET+ARM 50-3.

3 Eliminated Software Bugs

3.1 pcom7/JetIP server

The conversion of the legacy commands for transferring registers and register blocks (,Q', ,R', ,h', ,i') according to interface specification 'pcom5' was not made correctly. From V3.01 on, these commands are executed as specified.

3.2 Interpreter

Logical connection of register bits (WAND, WOR, WXOR) makes only sense with integer registers. The faulty usage of these commands with floating point registers was not handled correctly. From this version on, the error is indicated by special flag 2074 and special registers 2009 and 2010. The action, which will be taken when an error occurs, can be set by special flag 2072 and 2073.