JX3-AO4

Version Update

from V. 1.03 to V. 1.04

Version Update

Jetter

Revision 1.01
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1 Introduction

Introduction

This chapter shows the history of the JX3-AO4 module's operating system versions.

Operating System Update - Why?

An OS update allows you to

- expand the function range
- fix software bugs
- transmit a certain operating system version, for example at releasing a customer-specific operating system version

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Operating System Update

OS File for Operating System Update

For an operating system update, you will need the following file:

OS File	Description
JX3-AO4_1.04.0.00.os	Operating system file for JX3-AO4 with version 1.04.0.00.

OS File Download

Jetter AG make operating system files available for download from their **homepage at http://www.jetter.de**. OS files can be found via quicklink on the support site of the JX3-AO4 module.

Operating System Update by means of JetSym

To update your OS proceed as follows:

Step	Action
1	OS file download from www.jetter.de
2	Establish a connection between PC and controller
3	Execute the menu item Build > Operating System Update in JetSym
4	Select the OS file
5	Depending on the controller and on the module, the following items are to be specified: ■ Module number ■ Submodule socket ■ Slave number ■ I/O module number
6	Start the operating system update by ok
7	**Result:** After power cycling, the new operating system starts.

Overview of Version Updates

V 1.02.0.00

The following table gives an overview of newly added features and fixed software bugs in operating system version 1.02.0.00:

Description	New	Fixed
Output of analog values:		
Consistent output at value change		✓
Module registers:		
Reading and writing of negative values		✓

V 1.03.0.00

The following table gives an overview of newly added features and fixed software bugs in OS version 1.03.0.00:

Description	New	Fixed
Technical data:		
Power consumed by the module JX3-AO4 from the JX3 system bus	✓	
Minimum requirements:		
Interdependence between OS version and hardware revision	✓	

V 1.04.0.00

The following table gives an overview of newly added features and fixed software bugs in OS version 1.04.0.00:

Description	New	Fixed
User-defined scaling:		
Calculations in the case of large numerical values		✓
Oscilloscope:		
Positioning with pre-trigger activated		✓
Manual stop		✓

2 Fixed Software Bugs

Introduction

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

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User-Defined Scaling in the Case of Large Numerical Values

Appearance of the Error

When values have been entered into module registers for user-defined scaling (MR 1y24 through 1y27), values in module registers 2 through 5 do not match the voltages and currents at terminals X41/X42. This error occurrs only if the difference between module registers 1y24 and 1y26 or 1y25 and 1y27 is greater than 32767.

Affected Versions / Revisions

The following versions/revisions are affected by this bug:

OS version	< 1.04.0.00
Hardware revision	not relevant
Configuration or operating mode	not relevant

Remedy / Workaround

Use only values which result in a difference between module registers 1y24 and 1y26 or 1y25 and 1y27 not greater than 32767.

Fixed Versions

Starting from the following versions/revisions this bug has been fixed:

OS version	1.04.0.00
Hardware revision	not relevant
Configuration or operating mode	not relevant

Oscilloscope: Graph Position with Pre-Trigger Activated

Appearance of the Error

If oscilloscope mode "Compatible Mode" and pre-trigger are activated and measurement graphs are recorded, the position in time of such graphs is not correctly displayed in JetSym.

Affected Versions / Revisions

The following versions/revisions are affected by this bug:

OS version	< 1.04.0.00
Hardware revision	not relevant
Configuration or operating mode	not relevant

Remedy / Workaround

There is no remedy to be applied to the releases concerned.

Fixed Versions

Starting from the following versions/revisions this bug has been fixed:

OS version	1.04.0.00
Hardware revision	not relevant
Configuration or operating mode	not relevant

Oscilloscope: Manual Stop

Appearance of the Error

If oscilloscope mode "Compatible Mode" is activated and you press in JetSym the button "Stop" while measurement graphs are being recorded, the values recorded so far are not correctly displayed in JetSym.

Affected Versions / Revisions

The following versions/revisions are affected by this bug:

OS version	< 1.04.0.00
Hardware revision	not relevant
Configuration or operating mode	not relevant

Remedy / Workaround

Wait until the module JX3-AO4 has completed the recording process.

Fixed Versions

Starting from the following versions / revisions this bug has been fixed:

OS version	1.04.0.00
Hardware revision	not relevant
Configuration or operating mode	not relevant