

JX3-A04

Version Update from V. 1.02 to V. 1.03



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_1.03.0.00.os	Operating system file for JX3-AO4 with version 1.03.0.00.

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: <ul style="list-style-type: none"> ▪ 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:

Function	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:

Function	New	Fixed
Technical data:		
Reduced power consumption from the JX3 system bus	✓	
Minimum OS requirements:		
Interdependence between OS version and hardware revision	✓	

2 Expansions

Introduction

Jetter AG are continuously striving to add new features and functions to the JX3-AO4 module. By updating your OS you are given the possibility to enhance the functionality of your module. To do so, you need the following ...

- an OS file
- the JetSym software tool
- a connection between PC and controller

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Minimum OS Requirements of Hardware Revision 03

Minimum OS Version

The minimum OS version of the module JX3-AO4 depends on its hardware revision. The hardware revision can be found on the nameplate of the module. The OS version can be read out from MR 9.

Hardware revision	Minimum OS version
Rev 01.xx.xx	V 1.01.0.00 or higher
Rev 03.xx.xx or higher	V 1.03.0.00 or higher

HW Rev 03 with OS ≤ V 1.02.0.00

A module JX3-AO4 with HW revision 03.xx.xx which is used along with OS version 1.02.0.00 or lower is not fully functional.

In the case of an internal power failure the OS fails to generate an error message.

Technical Specifications

Introduction

Starting from serial # 20091110070000 the module JX3-AO4 is shipped with HW revision 03. The power consumed from the JX3 system bus has been reduced.

Data of the JX3 System Bus as of Rev. 03.xx

Parameter	Value
Logic voltage of the JX3 system bus	DC +5 V (-15 %... +10 %)
Current consumption absorbed from the logic voltage of the JX3 system bus	Typically: 70 mA
Additional voltage of the JX3 system bus	DC +24 V (-15 %... +20 %)
Current consumption absorbed from the additional voltage of the JX3 system bus	Voltage outputs, typically 70 mA Current outputs, typically 120 mA
Nominal power absorbed from the JX3 system bus	Voltage outputs, typically 2.03 W Current outputs, typically 3.23 W

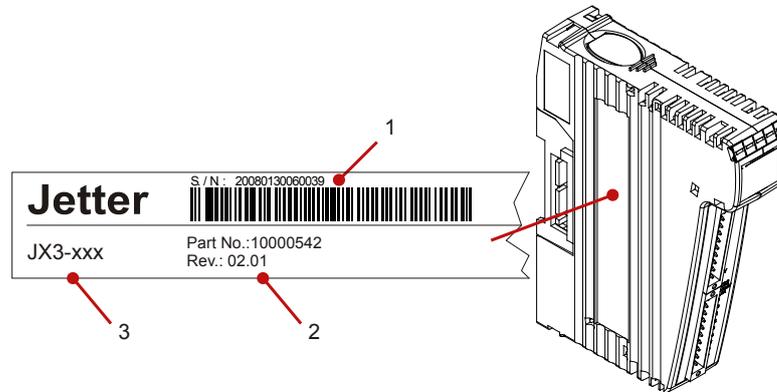
Identification via Nameplate

Introduction

Each JX3 module can be identified by its nameplate attached to its enclosure. You will need the hardware revision data if you have to contact the hotline of Jetter AG in case of a problem.

Nameplate

The nameplate of JX3 modules contains the following information:



Number	Element
1	Serial number
2	Hardware revision
3	Module name