JX6-SB(-I)
Version Update
from V 2.21 to V 2.22

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Revision 1.02

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1 Introduction

Introduction

This chapter shows the history of the JX6-SB(-I) module's operating system versions.

Operating System Update - Why?

An OS update allows you to:

- Expanding the function range
- Fixing software bugs
- Transmitting 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
JX6-SB(-I)_2.22.0.00.os	Operating system file for JX6-SB(-I) mit der Version 2.22.0.00.

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 JX6-SB(-I) 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	Establishing a connection between PC and controller
3	Executing the menu item Build > Operating System Update in JetSym
4	Selecting 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 Off / Power On, the new operating system starts.

Overview of Version Updates

V 2.21

Function	New	Bug
Festo CPX Terminal:		
Support for CPX-CPI interface	✔	
BWU1821:		
Communication via command interface		✔
Read/write access from/to analog IOs		✔
CAN-PRIM:		
User programmable CAN-PRIM interface	✔	
LioN-S:		
Commissioning		✔

V 2.22

Function	New	Bug
Festo CPX terminal with CPX-CP interface:		
Module codes in module array and access to registers		✔
Monitoring frames to CANopen modules:		
Configuration of monitoring interval		✔
Initialization with LioN-S / LJX7-CSL modules:		
Detection of modules connected to the JX2 system bus		✔

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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Monitoring Frames from CANopen Modules

Effects of this Bug

The submodule or the controller does not send the monitoring frames to CANopen® modules within the configured time interval. The time interval is configured in register 2028 of the controller or register 3m02028 of JX6-SB(-I) modules.

If only one or a few CANopen® modules are connected to the JX2 system bus, the following effects may result:

- The CANopen® module is no longer ready for operation.
- The submodule or the controller is not able to read input data from the CANopen® module.
- The submodule or the controller is not able to write output data to the CANopen® module.

Affected Versions/Revisions

The following versions/revisions are affected by this bug:

OS version	JX6-SB(-I): 2.21.0.00
	JC-24x: 3.26.0.00
Hardware revision	not applicable
Configuration or operating mode	not applicable
Note	760

Remedy / Workaround

Assign module number 79 to the CANopen® module. To do so, the node ID of the CANopen® module has to be changed.

Bug Fix

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

OS version	JX6-SB(-I): 2.22.0.00
	JC-24x: 3.27.0.00
Hardware revision	not applicable
Configuration or operating mode	not applicable

Module Codes of Festo CPX with CP Interface

Effects of this Bug	When a CPX-CP interface is connected to a CPX terminal, the submodule or the controller creates a virtual CPX-FB14. The module codes of the CPX-FB14 and the virtual CPX-FB14 in the module array are interchanged.
	Registers 7xzz of the controller or registers 3m07xzz of the JX6-SB(-I) module cannot be accessed.

Affected Versions/Revisions

The following versions/revisions are affected by this bug:

OS version	JX6-SB(-I): 2.21.0.00
	JC-24x: 3.26.0.00
Hardware revision	not applicable
Configuration or operating mode	not applicable
Note	894

Remedy / Workaround   There is no remedy for affected versions/revisions.

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

OS version	JX6-SB(-I): 2.22.0.00
	JC-24x: 3.27.0.00
Hardware revision	not applicable
Configuration or operating mode	not applicable

Initialization of the JX2 System Bus with LioN-S / LJX7-CSL Modules

Effects of this Bug At baud rates other than 1 MBaud the controller or the submodule does not always detect all modules on the JX2 system bus if LioN-S or LJX7-CSL modules are connected.

Affected Versions/Revisions The following versions/revisions are affected by this bug:

OS version	JX6-SB(-I): < 2.22.0.00
	JC-24x: < 3.27
Hardware revision	not applicable
Configuration or operating mode	LioN-S modules or LJX7-CSL modules are connected to the JX2 system bus
Note	914

Remedy / Workaround There is no remedy for affected versions/revisions.

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

OS version	JX6-SB(-I): 2.22.0.00
	JC-24x: 3.27
Hardware revision	not applicable
Configuration or operating mode	not applicable