

# JX3-BN-CAN

## Version Update

### from V. 1.08 to V. 1.10



Version Update

**Jetter**

Revision 1.01

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# 1 Introduction

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**Introduction** This chapter shows the history of the JX3-BN-CAN module's operating system versions.

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- 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

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### OS File for Operating System Update

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

OS File	Description
JX3-BN-CAN_1.10.0.00.os	Operating system file for JX3-BN-CAN with version 1.10.0.00.

### 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-BN-CAN module.

### Operating System Update by means of JetSym

To update your OS proceed as follows:

Step	Action
1	OS File Download from <a href="http://www.jetter.de">www.jetter.de</a>
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"> <li>▪ Module number</li> <li>▪ Submodule socket</li> <li>▪ Slave number</li> <li>▪ I/O module number</li> </ul>
6	Start the operating system update by ok
7	<b>Result:</b> After power cycling, the new operating system starts.

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## Version Update Overview - JX3-BN-CAN Module

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### V 1.10

Feature	New	Fixed
<b>Support for New Modules:</b>		
JX3-MIX1 and JX3-MIX2 support	✓	
<b>Communication between JX3-BN-CAN and JC-24x and JX-SIO:</b>		
Communication between JX3-BN-CAN and JC-24x and JX-CAN now works without errors		✓
<b>Communication between JX3-BN-CAN and JC-647 and JX3 Modules</b>		
Note: Enter a higher value into the timeout register to ensure error-free communication		✓

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## 2 Expansions

### Introduction

Jetter AG are continuously striving to add new features and functions to the JX3-BN-CAN 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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### Support for New Modules

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#### **New Features**

The JX3-BN-CAN operating system with version 1.10 supports new modules:

- JX3-MIX1
  - JX3-MIX2
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# 3 Fixed Software Bugs

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**Introduction**

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

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## Communication with JC-24x, JX3-BN-CAN, JX-SIO

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**Appearance of the Error** If the modules JX3-BN-CAN and JX-SIO are connected to a JC-24x, after a while a communication error may occur. As a result, the JX-SIO changes over to error condition and can no longer be used. The time span until the error occurs depends on the selected baud rate.

**Releases Concerned** The error occurs in the following releases of the JX3-BN-CAN module:

OS version	1.08.0.00
Hardware revision	08.00.00
Configuration or operating mode	not relevant

**Remedy / Workaround** There is no remedy to be applied to the releases concerned.

**Bugfix in the Following Updates** The error has been fixed as of the following releases of the JX3-BN-CAN:

OS version	1.10.0.0
Hardware revision	not relevant
Configuration or operating mode	not relevant

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## Communication between JC-647, JX3-BN-CAN, and JX3 Module

**Appearance of the Error** If one or more JX3 modules are connected to a JC-647 equipped with a JX3-BN-CAN, timeouts on the JX2 system bus may occur.

**Releases Concerned** The error occurs in the following releases of the JX3-BN-CAN module:

OS version	not relevant
Hardware revision	not relevant
Configuration or operating mode	all modules except for <ul style="list-style-type: none"> <li>▪ JX3-DO16</li> <li>▪ JX3-DI16</li> <li>▪ JX3-DIO16</li> </ul>

**Remedy / Workaround** To remedy this issue set a higher timeout value. In the JX2 system bus register change the timeout value from 4 to 10.

**JetSym ST**

```

// ...
// Initializing Master/Slave JX6-SB
MEM[111101] := 30;
// Checking the busy bit 13 for JX6-SB
When Bit_Clear(MEM[111100],13) Continue;
// Changing timeout from 4 to 10 in the JX2-IO register
MEM[3102764] := 10;
// Adjusting JX6-SB timeout
MEM[61802] := MEM[3102764] + 2;
    
```