

INSTRUCTION GUIDE

FIRMWARE UPDATE FOR THE E-BX CONTROLLER AND ASSOCIATED IQ SMART ACTUATORS

EMERGENCY MODE



*E-bx and iQ Actuators Firmware Update **EMERGENCY MODE**(cont'd)*

TABLE OF CONTENTS

INTRODUCTION:	3
PROCEDURE	3
Firmware update in EMERGENCY MODE	3
A. For the e-bx update.....	3
B. For the actuator update	6

E-bx and iQ Actuators Firmware Update **EMERGENCY MODE**(cont'd)

INTRODUCTION:

EMERGENCY mode has been created to remedy the standard update if it fails. The following instructions shows how.

REMINDER: It is important to pay attention to the position of each part or cable removed to facilitate subsequent installation. We strongly recommend that you take pictures before removing any parts.

IMPORTANT: Before proceeding, make sure the joystick is OFF.

NOTE: For the Standard Update Instruction Guide, please refer to: <https://amylor.com/bsk-pdf-manager/firmware-update-e-bx/> This guide explains how to connect to the Configurator software and how to connect to the e-bx module and iQ intelligent actuator(s).

PROCEDURE

Before proceeding with the following steps, we assume that you are already logged in to the Configurator software. If this is not the case, please follow the steps in section 3 of the standard online guide at the link above.

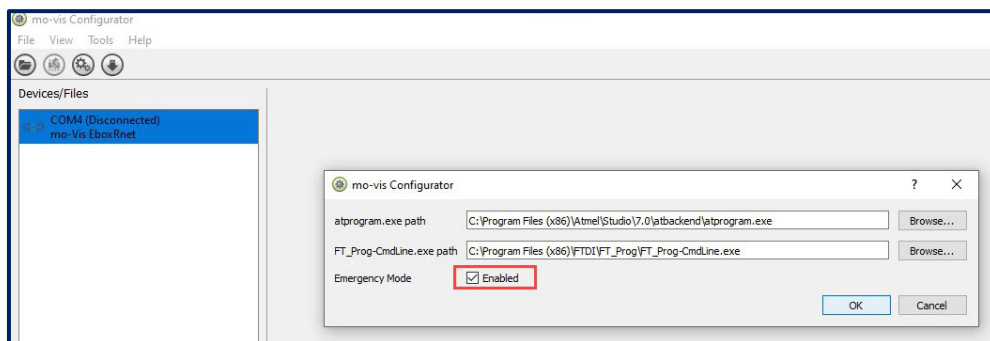
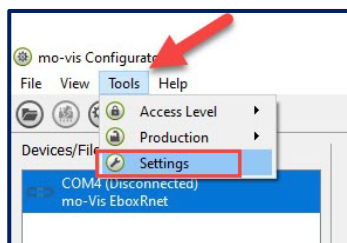
Firmware update in EMERGENCY MODE

A. For the e-bx update

This section explains how to update the firmware on the e-bx controller in **emergency mode** if the update in standard mode fails.

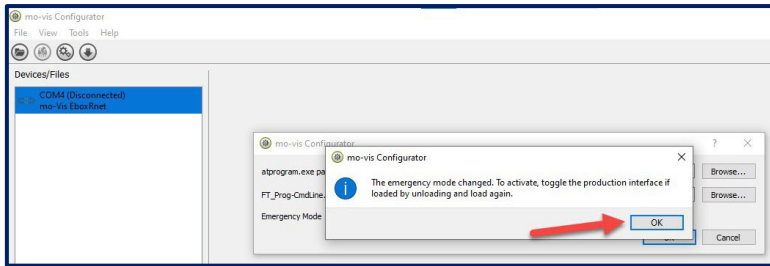
Before proceeding with the following steps, we assume that your e-bx controller is connected to your computer using the USB cable.

1. In the Tools tab, click Settings, check the Enabled box for Emergency Mode, then click OK.

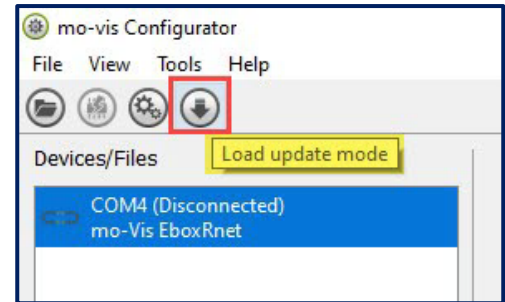


E-bx and iQ Actuators Firmware Update **EMERGENCY MODE**(cont'd)

2. A window will appear indicating that emergency mode is activated. Click OK.

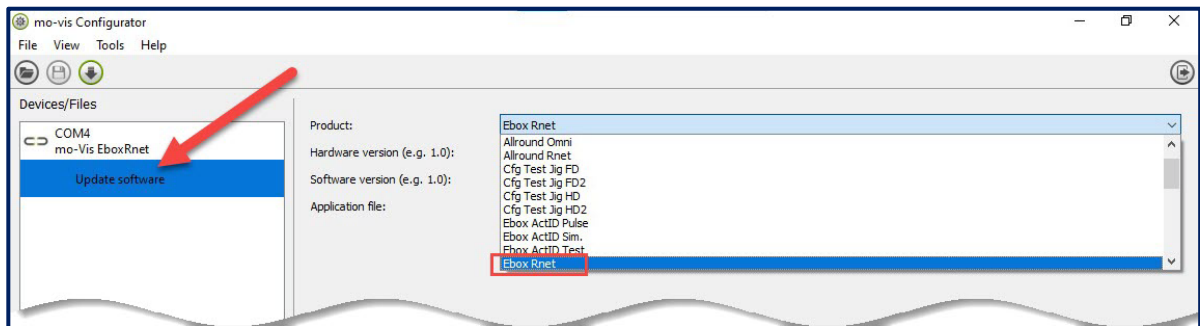


3. Start the update by clicking the "Load update mode" icon.



4. Click Update software update.

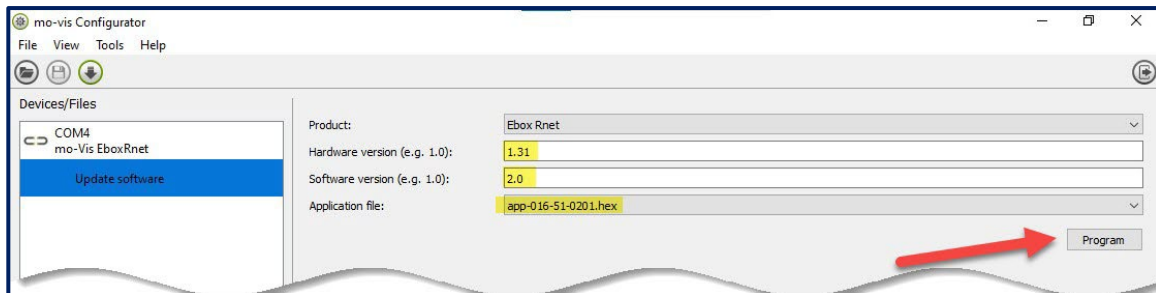
5. In the Product drop-down menu, select Ebox Rnet.



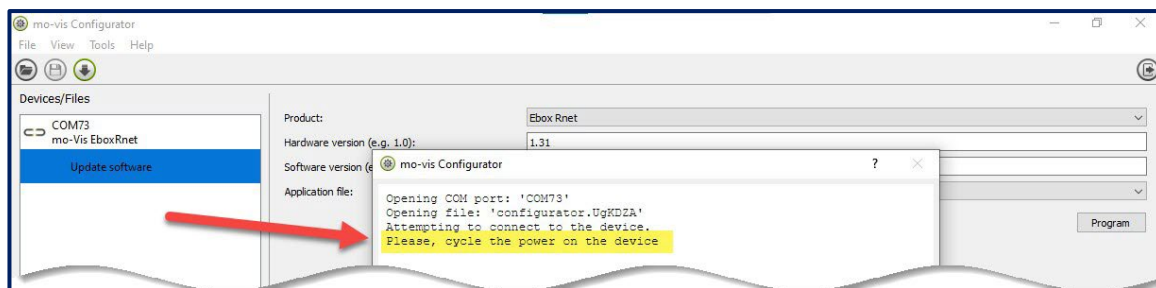
6. Type the following information:
Hardware version: 1.31
Software version: 2.0

7. In the Application file field, select the following program:
app-016-51-0201.hex update version 2.1.

8. Start the update by clicking Program.

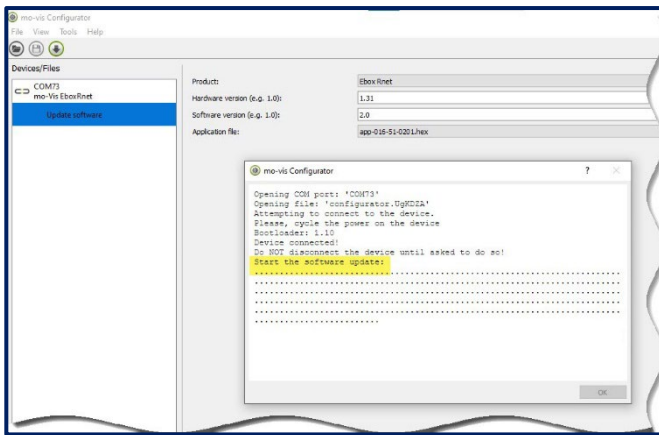


9. A window showing the start of the update appears. As soon as the message "Please, cycle the power on the device," turn joystick off and on once.

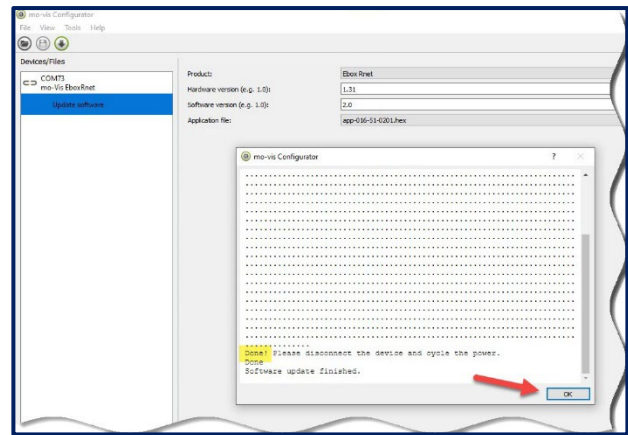


E-bx and iQ Actuators Firmware Update **EMERGENCY MODE**(cont'd)

10. The update starts. A series of dots will display in rows underneath.





11. At the end of the update, the word Done! will show at the end of the display of dots. Click OK.



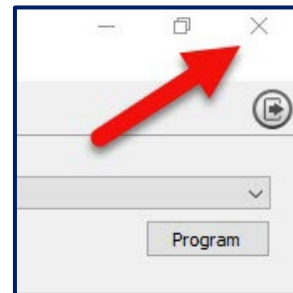
IMPORTANT:

12. Turn joystick off, then disconnect and reconnect battery cable, and finally turn joystick back on.

13. To verify that the e-bx controller has the proper firmware version, click the connection icon . The Product Software Version should display "v2.2".

14. Disconnect by clicking the connection icon  again.

15. Turn off the joystick, then unplug the USB cable from the e-bx controller and close Configurator by clicking the X at the top right of the window. Do not close using the door icon to keep the log in info when working offline.



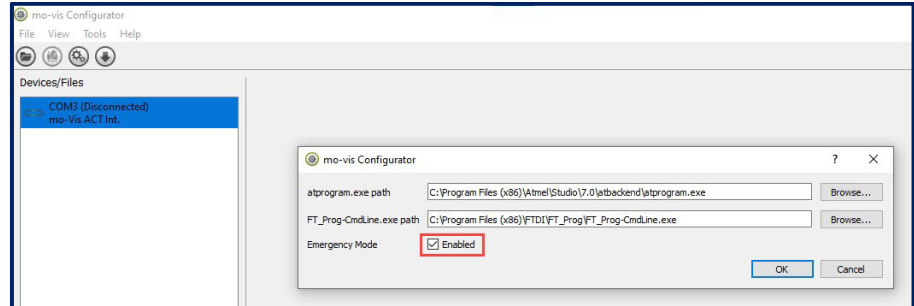
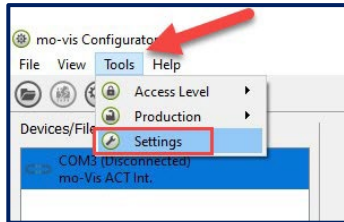
E-bx and iQ Actuators Firmware Update **EMERGENCY MODE**(cont'd)

B. For the actuator update

This section describes how to update the firmware on an actuator in **emergency mode** if the update in standard mode fails.

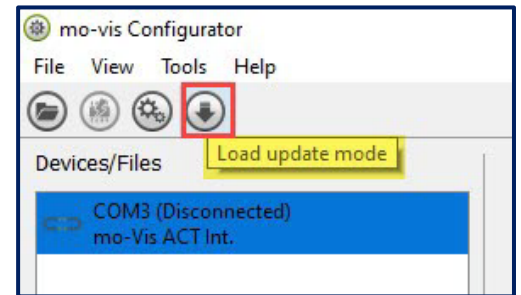
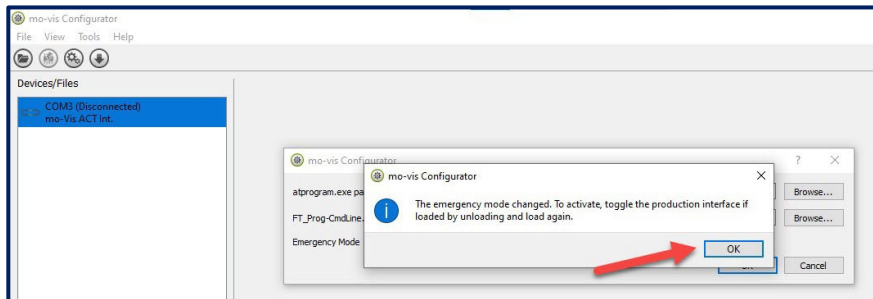
Before proceeding with the following steps, we assume that the actuator cable is plugged into the programming tool, that the programming tool and the computer are linked by the USB cable, and that the power cable from the programming tool is connected to joystick.

1. In the Tools tab, click Settings, check the Enabled box for Emergency Mode, then click OK.



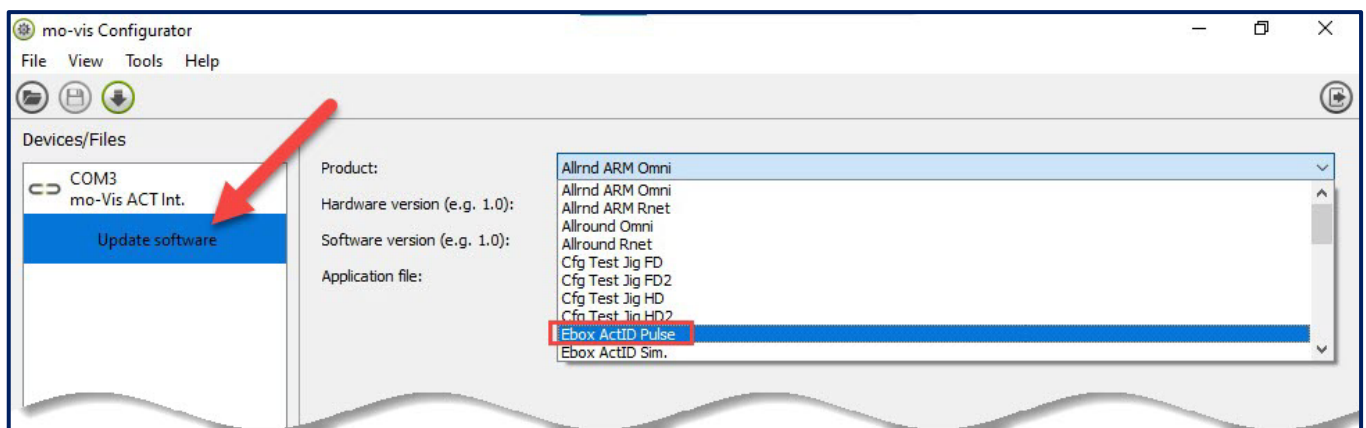
2. A window will appear indicating that emergency mode is activated. Click OK.

3. Start the update by clicking the "Load update mode" icon.



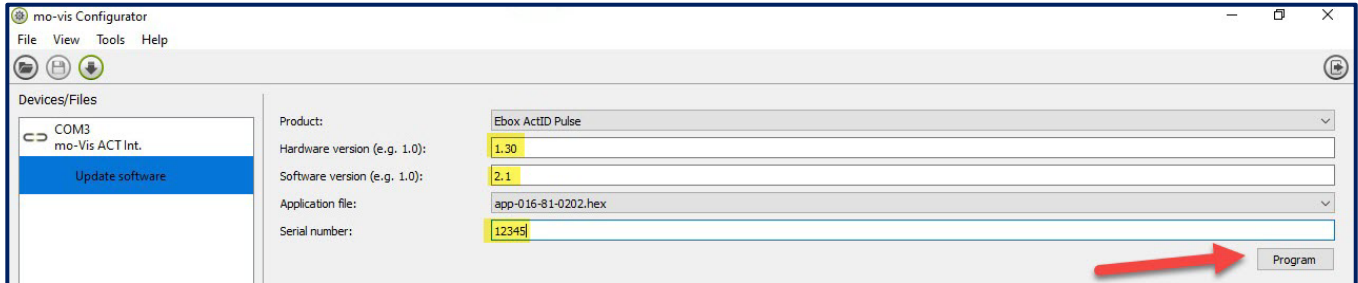
4. Click Update software update.

5. In the Product drop-down menu, select Ebox ActID Pulse.

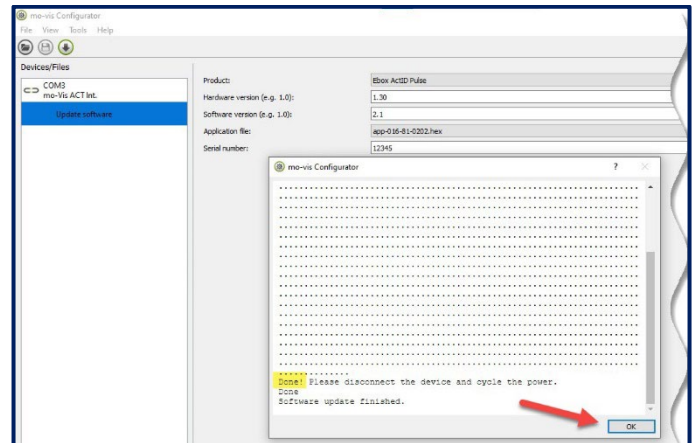
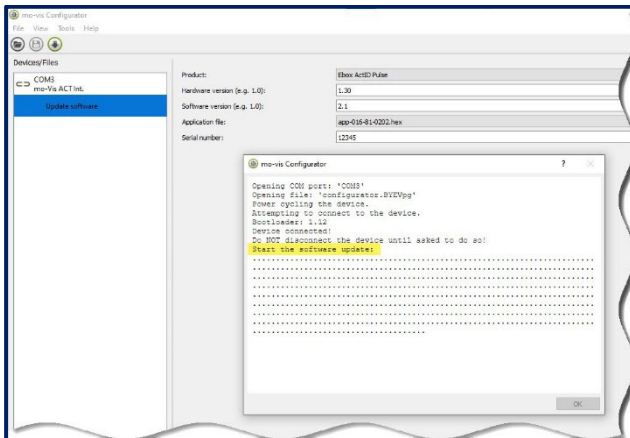


E-bx and iQ Actuators Firmware Update **EMERGENCY MODE**(cont'd)



6. Type the following information:
 Hardware version: 1.30
 Software version: 2.1
7. In the Application file field, select the following program:
app-016-81-0202.hex update version 2.2 and then enter the
 serial number: 12345.
8. Start the update by clicking Program.



9. The update starts. A series of dots will display in rows underneath.
10. At the end of the update, the word Done! will show at the end of the display of dots. Click OK.



IMPORTANT:

11. Turn joystick off, then disconnect and reconnect battery cable, and finally turn joystick back on.
12. To verify that the e-bx controller has the proper firmware version, click the connection icon . The Product Software Version should display "v2.2".
13. Disconnect by clicking the connection icon  again.
14. Turn off the joystick, then unplug the USB cable from the e-bx controller and close Configurator by clicking the X at the top right of the window. Do not close using the door icon to keep the log in info when working offline.

