



# Midi 3.0 software updating

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Autor: Durand, Jean-Charles

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**Copyright ©**               Müller-Elektronik GmbH & Co.KG  
Franz-Kleine-Straße 18  
33154 Salzkotten  
Deutschland  
Tel: ++49 (0) 5258 / 9834 - 0  
Telefax: ++49 (0) 5258 / 9834 - 90  
E-Mail: [info@mueller-elektronik.de](mailto:info@mueller-elektronik.de)  
Internetseite: <http://www.mueller-elektronik.de>

## Version

Version	Date	Autor	Modifications
1.0	15.10.2015	Durand Jean-Charles	New document
2.0	22.10.2015	Igersheim Jean-Philippe	Minor corrections

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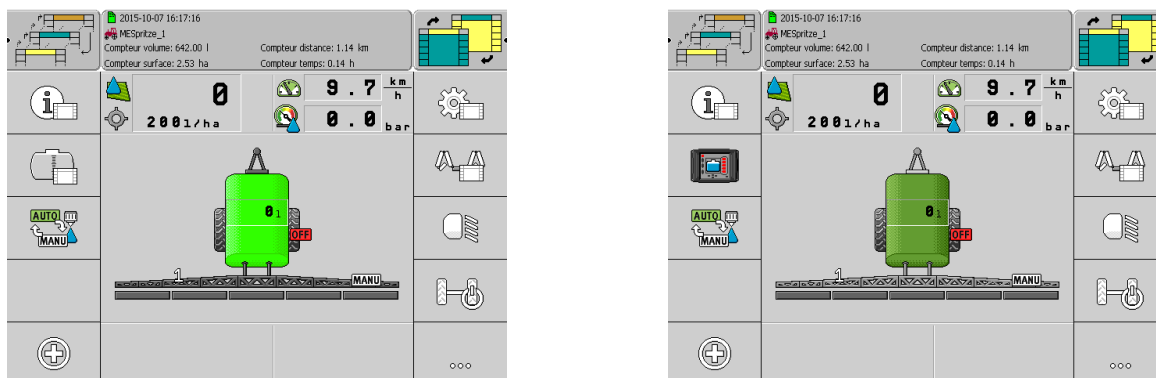
Version 2

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# 1 Update Object-Pool

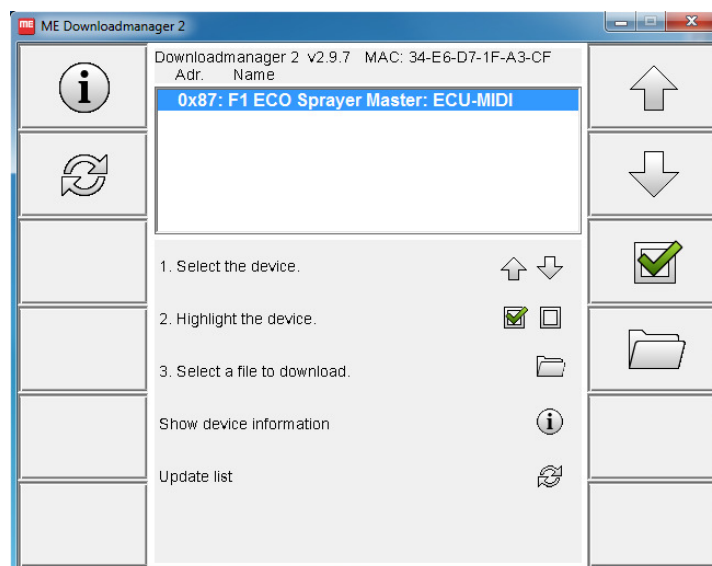
## 1.1 Procedure

To update an object pool on Midi 3.0 ECU, you should use the Müller tool Download manager 2 and assume that the application has been started and no object pool transfer is in progress. For example, you should be able to see the application on the Terminal:



## 1.2 Download Manager 2

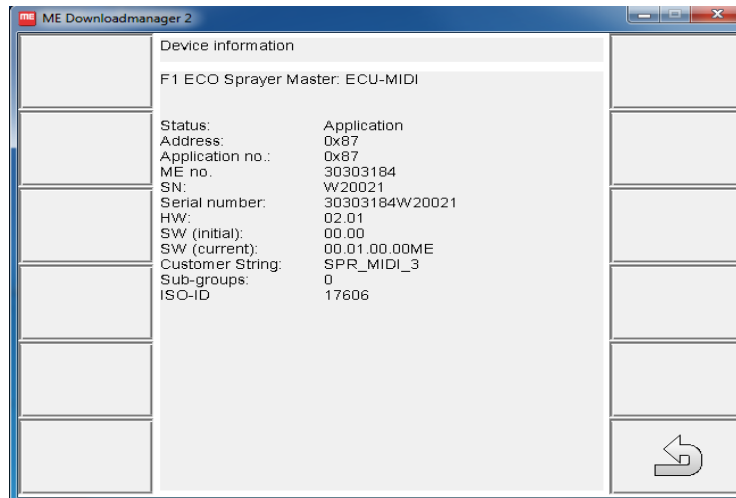
To update an object pool on the Midi 3.0 ECU, you shall start the tool Download manager 2. The main window lists the ECU connected to the CAN bus, you could find the ECU-Midi with the address 0x87; see the following picture:



To be sure that the application is in the right mode to update the object pool file, you could press on this key:



This window appears:



The "Status" line allows knowing the running mode: Application or Bootloader. If this one is equal to "Application" mode, you could update the object pool file (.mec).

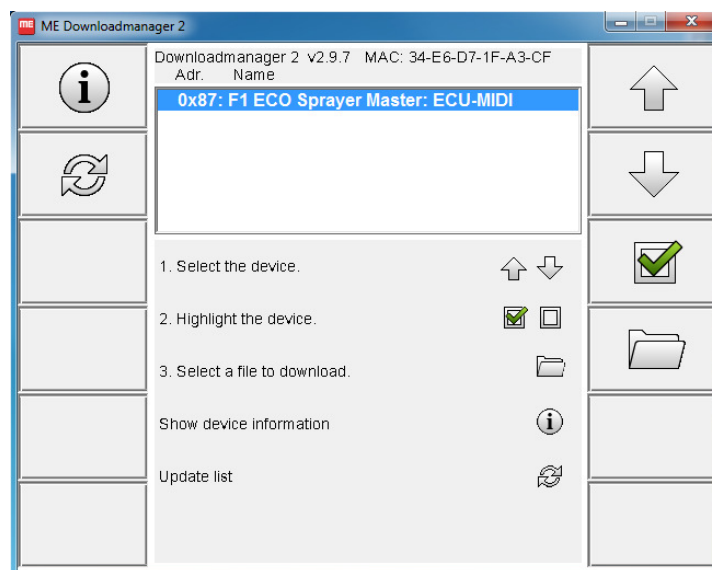
## 2 Update Application Software

### 2.1 Procedure

To update a software on Midi 3.0 ECU, you should use the Müller tool Download manager 2.

### 2.2 Download manager 2

To update an application on the Midi 3.0 ECU, you shall start the tool Download manager 2. The main window lists the ECU connected to the CAN bus, you could find the ECU-Midi with the address 0x87; see the following picture:



You should select the right .mec file and start the updating.

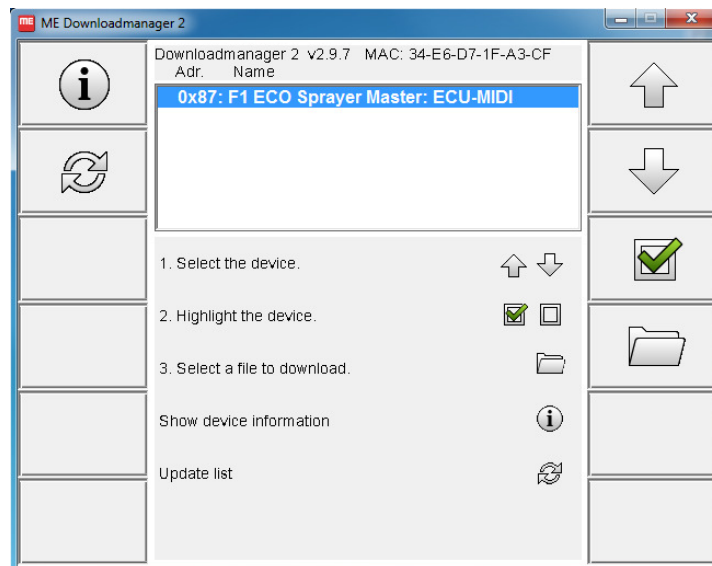
## 3 Update complement software

### 3.1 Procedure

To update a complement software on Midi 3.0 ECU, you should use the Müller tool Download manager 2. This complement could be, for example, the software for the slave microprocessor into the master PCB. You need to be sure that the application is stable. Stable means that the application mustn't load the object pool and must be start (cf 1.1 Object pool procedure).

### 3.2 Download manager 2

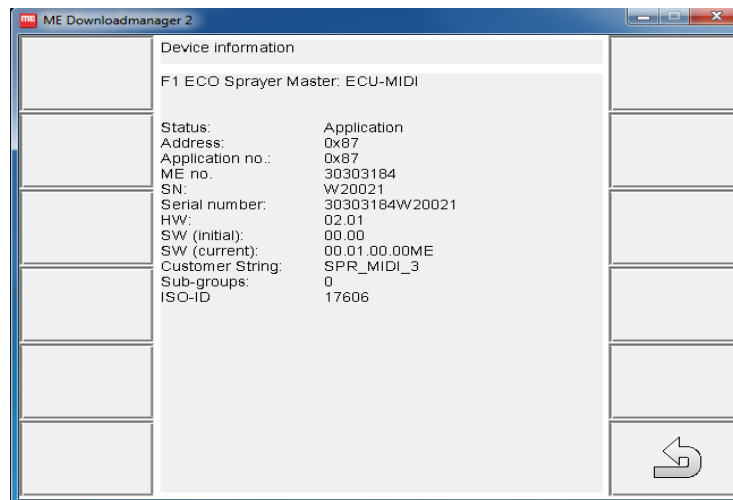
To update a complement software on Midi 3.0 with Download manager 2, you shall start this tool. In the main window, you could find Midi 3.0 application which is on the Can bus. The following picture shows the Download manager 2 at this moment with a Midi 3.0 sprayer application:



To be sure that the application is in the right mode to update the complement software, you could press on this key:



This window appears:



The "Status" line allows knowing the running mode: Application or Bootloader. If this one is equal to "Application" mode, you could update the complement software file (.mec).



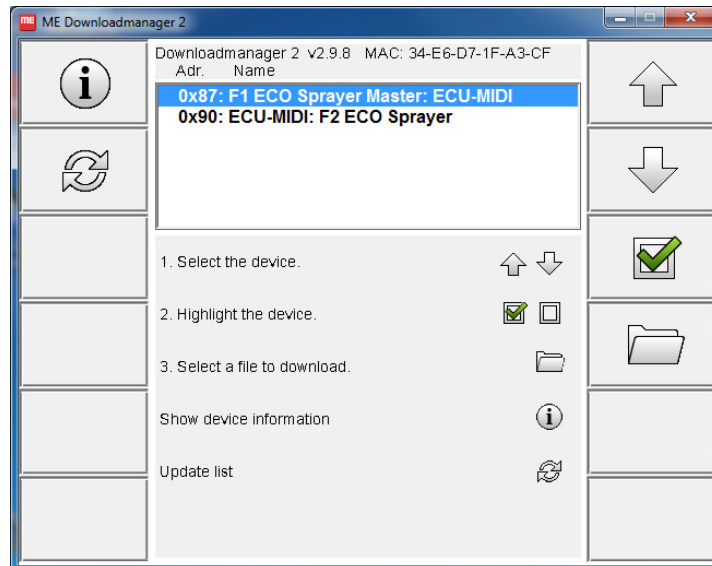
## 4 Update slave ECU through the master ECU.

### 4.1 Procedure

To update a software on Midi 3.0 ECU, you should use the Müller tool Download manager 2. The version of the Download manager 2 shall be equal or superior than the version v2.9.8.

### 4.2 Download manager 2

In the main window of the Download manager 2 tool, you could find Midi 3.0 application which is on the Can bus. The following picture shows the Download manager 2 at this moment with a Midi 3.0 sprayer application (application with 2 ECUs):



In this configuration, you are able to update the whole spraying system.

The master ECU application is identified thanks to the address 0x87 (F1 ECO sprayer master : ECU-MIDI) and the slave ECU is identified thanks to the address 0x90 (ECU-MIDI : F2 ECO Sprayer):

- To update the slave ECU (0x90), you should select it and after select the right .mec file for this ECU. The last action is to start the updating for this ECU.
- To update the master ECU (0x87), you should select it and after select the right .mec file for this ECU. The last action is to start the updating for this ECU.