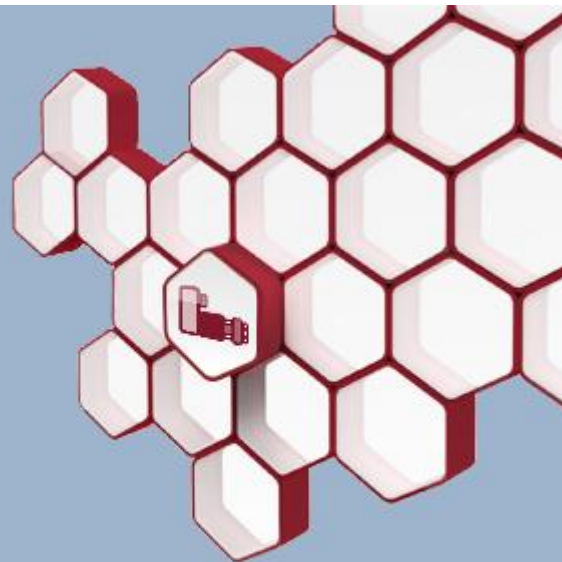


# RELEASE INFORMATION

# VALVE AND PUMP CONFIGURATION SOFTWARE



## VERSION 4.3

## ADDRESSED DEFECTS

Rev 7055

Moog Valve and Pump Configuration Software

### Foreword

The document was written and checked to the best of our ability.



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## About Moog

Moog's Industrial Group designs and manufactures high performance motion control solutions combining electric, hydraulic, and hybrid technologies with expert consultative support in a range of applications including test, simulation, plastics, metal forming, and power generation.

Moog customers include leading automotive manufacturers, aerospace manufacturers, testing labs and global automotive racing teams.

We help performance-driven companies design and develop their next-generation machines.

Moog's Industrial Group is part of Moog Inc.

For more information, please visit [www.moog.com/industrial](http://www.moog.com/industrial).

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Contents

Foreword .....1

About Moog.....2

Contents .....3

1 Main features.....4

2 Addressed Defects .....5

# 1 Main features

- Support for DCV4 devices
  - Support digital outputs
  - Update analog inputs
  - Show software features depending on the software options
  - Implement mechanical options
- Bug fixes:
  - Mix-up of byte order in engineering interface, spool characteristic table and log file
  - Prevent crash during upload of datalogger .xdat file
  - Value notation is not hex
  - Disc symbol (showing unsaved changes) does not appear when modifying the transducer interface settings
  - Text fixed
  - Crash in RPDO-TPDO
  - Button "Create update File" can be seen without special debug rights
  - Automatic connect to device
  - Profibus Model ID shown with DCV4

## 2 Addressed Defects

| ID    | Category | Severity | Date Submitted | Summary  | Description  |
|-------|----------|----------|----------------|--|--|
| 15023 | Bug      | major    | 03.04.2025     | Writing splchrtbl fails with command write all parameters on DCV4                    | Writing splchrtbl fails with command write all parameters on DCV4, but not when a log file is used with a splchrtbl.<br>Also the splchrtbl is not written to the device, when the splchrtbl is loaded via .dat file in Characteristic compensation dialog.   |
| 14997 | Bug      | crash    | 25.03.2025     | Selecting the value notation hex on a mappable parameter causes an exception         | Selecting the value notation hex on a mappable parameter like dlpar[0] causes an exception.  |
| 14969 | CR       | minor    | 05.03.2025     | Hide disk symbol in data logger in standard view level                               | In the standard view level of MoVaPuCo, which is the level used by customers, there is a diskette symbol in the data viewer that allows to store the current recording. However the data format used here (.dat) is special and cannot be reloaded into the Data Logger to view this recording. Instead the customer has to use the export function which creates a .xdat file.<br>As this is confusing the diskette symbol shall be hidden in the standard view level. Experienced Moog users then still can use this function when switching the view level to Moog or higher. |
| 14914 | Feature  | minor    | 04.02.2025     | Support clear diagnosis command clrd   | Similar to other boot commands like init, save etc. support the following command to clear all the diagnosis parameters:<br><br>clrd:<br>botcmd = 0x636C7264   |
| 14886 | CR       | minor    | 17.01.2025     | Same dialogs in Datalogger like Import/Export window should not exist multiple times | In datalogger the Import/Export/Save/Configuration dialog can be opened multiple times.<br>There should be only one dialog from same type.<br>If dialog already exists, it should come to the top.   |
| 14880 | CR       | text     | 17.01.2025     | Adapt description of fault list preerrfld in the right Device Status area            | Misleading text: should be „Fault list” without “reaction”.<br>German text is OK.  |
| 14879 | CR       | major    | 17.01.2025     | Automatic connect to device should also work if other devices are on the bus         | Automatically connect to the first detected device should also work if other devices are on the bus.<br>The logic should take the first Moog valve/pump.   |

| ID    | Category | Severity | Date Submitted | Summary   | Description  |
|-------|----------|----------|----------------|---|--|
|       |          |          |                |   |  |
| 14847 | Bug      | major    | 16.12.2024     | Transducer interface displays impossible values                         | The interpretation of the values from the drvtrdstc array seems to be wrong. With the old MoVaPuCo 3.7 it works.   |
| 14835 | Bug      | crash    | 05.12.2024     | MoVaPuCo crash after pasting "vlvtrdstc" array in engineering interface | MoVaPuCo crash after pasting "vlvtrdstc" array in engineering interface  |
| 14822 | Feature  | minor    | 18.11.2024     | Implement mechanical options  | <p>Mechanical options are now implemented in firmware and should be visualized in MoVaPuCo</p> <ol style="list-style-type: none"> <li>1. In Tab view Tab Information -&gt; sub Tab "mecopt" should be added and the mechanical options should be visible</li> <li>2. In Tab view Tab Information -&gt; sub Tab "Mechanical valve Options" the mechanical options should be visible</li> </ol> <p>Under<br/> <a href="svn+ssh://delinux03.de.moog.com/data/svn/x15/Products/X15/branches/DevRas14442_Review/Firmware/TargetBuilds/Source/Application/ApplicationConfiguration/Doc/E20_Design/ValveOptions.xlsx">svn+ssh://delinux03.de.moog.com/data/svn/x15/Products/X15/branches/DevRas14442_Review/Firmware/TargetBuilds/Source/Application/ApplicationConfiguration/Doc/E20_Design/ValveOptions.xlsx</a> Sheet "MechanicalOptions" the mechanical options are described (at the moment only group 0xB1)</p> |
| 14809 | Bug      | major    | 06.11.2024     | Profibus Model ID shown with firmware CD36664                           | The Profibus Model ID is shown with firmware CD36664, although Profibus is not supported.  |
| 14773 | Feature  | minor    | 04.10.2024     | Show software features depending on the software options                | In new devices X15/DCV4, some of the software features will be enabled/disabled using the software options. Therefore, the relevant blocks must only be visible when it is required by the configurations.   |
| 14734 | Feature  | major    | 16.09.2024     | Support Digital Outputs for firmware CD36664 (and DOV)                  | The Digital Outputs should be supported for firmware CD36664 and DOV.  |
| 14653 | Bug      | crash    | 09.07.2024     | Crash in RPDO-TPDO configuration when pressing magnifying glass button  | Crash in RPDO-TPDO configuration when pressing magnifying glass button to open the parameter list.   |
| 14315 | Bug      | crash    | 08.01.2024     | crash when writing transducer interface                                 | When writing the value 0xB BBBCCCC to parameter drvtrdminref_2 MoVaPuCo crashes.   |
| 14150 | Bug      | major    | 29.08.2023     | Export a log file leads to different content with                       | Export a log file leads to different content with MoVaPuCo 4.1 vs 4.0 especially with parameters of the transducer interface.  |

| ID    | Category | Severity | Date Submitted | Summary  | Description  |
|-------|----------|----------|----------------|--|--|
|       |          |          |                | MoVaPuCo 4.1 vs 4.0  |  |
| 14016 | Bug      | minor    | 01.06.2023     | The control word is not displayed at input area of Profibus devices                                    | The control word (ctlwrđ) is not displayed at input area of Profibus devices. Seen with DCV and ACV firmware also on virtual devices.  |
| 13978 | Feature  | minor    | 10.05.2023     | Support parameter "actcomitf" actual communication interface   | Parameter "actcomitf" actual communication interface is added to DCV3 firmware.<br>MoVaPuCo should indicate (highlight) the connected input button.<br>There are other places in code, e.g. LSS where it is important to know what the current connected interface is. (Local_CAN or Wide_CAN)<br>Used for bitrate and ID. |
| 13918 | Bug      | crash    | 13.04.2023     | MoVaPuCo crash during upload of datalogger .xdát file  | MoVaPuCo crash during upload of datalogger .xdát file<br><br>if the recorded .xdát file is from a different product group than the MoVaPuCo GUI, the crash occurs  |
| 13856 | Bug      | minor    | 08.03.2023     | Button "Create update File" can be seen without special debug rights                                   | Main window missing.   |
| 12304 | Bug      | minor    | 01.03.2021     | Parameter vlvrđstc Value notation is not hex even when defined in the XML-Source                       | The complete ARRAY Should be displayed in hex-notation in the parameter list.  |
| 11718 | Bug      | major    | 10.06.2020     | GUI freeze when executing a sequence in engineering interface  | When a sequence of commands (e.g. from a log file) is copied in engineering interface and executed, the GUI (e.g. Datalogger) gets no GUI update till sequence is finished.  |
| 10504 | Bug      | minor    | 06.05.2019     | Disc symbol (showing unsaved changes) does not appear when modifying the transducer interface settings | If parameters are changed within the transducer interface, the disc symbol close to the device icon does not appear.   |
| 6131  | Bug      | text     | 06.11.2014     | TPDO Change message if COB ID 0x80000xx  | Current text: 'Please note: the PDO is not valid (valid bit not set).'<br>Improve the text to clarify the relation to and the functionality of the 'valid' bit   |
| 5167  | CR       | minor    | 30.10.2013     | Device status display:   | Where are the errhis and errdsc parameters displayed? See Movaco 3.2g  |

| ID   | Category | Severity | Date Submitted | Summary  | Description   |
|------|----------|----------|----------------|--|---|
|      |          |          |                | errhis, errdsc, fauhis, faudsc and errreg are missing  | <p>If they are not displayed please add them.<br/>Suggestion: The descriptions can and should be displayed as a list.<br/>For faudsc the timestamp coded in the object should be displayed in hours and minutes.</p> <p>Important: The terms "fault" and "error" must not be confused or mixed up as is currently the case in the GUI. If in doubt, use the terms as in the corresponding parameter name.</p> |
| 4890 | CR       | text     | 03.07.2013     | MoVaPuCo does not display devices if devices with different baud rate settings are connected | If devices with different baud rate settings are connected, MoVaPuCo does not display any devices. Better would be an info that connected devices were found, but that a communication is not possible and that different baud rate setting could be a cause. With this info the customer can then start troubleshooting.   |
|      |          |          |                |  |   |



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