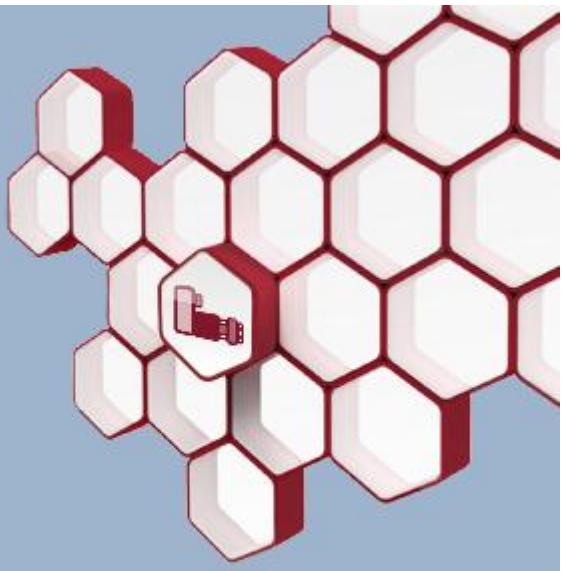
RELEASE INFORMATION



VALVE AND PUMP CONFIGURATION SOFTWARE

VERSION 4.4

ADDRESSED DEFECTS

Rev 7654

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.

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1 Main features

- Support for DCV4 devices
    - Support CD53346 firmware for EtherCAT valves
    - Support new filter in the current setpoint conditioning
    - Support renamed parameters
- Build MoVaPuCo as 64-bit version for .NET 8.0 using WIX 4 as MSI builder
- Adapt MoVaPuCo to use latest IXXAT VCI API
- Optimize build process
- Support IXXAT USB-to-CAN professional V2 2nd CAN interface
- Warning Dialog, if connection to USB-to-CAN adapter is lost
- The Application Instruction updated
- I/O types depend on hardware options
- Extend software fieldbus options
- Changed encryption to support enabled FIPS policy (requirement of DoD CMMC V2)
- Implement a checkbox to display Moog devices only
- PDO Configuration Help Text should be improved

- Bug fixes:
    - Input field too short to show 8-digit Hex value
    - Corrupt ApplicationDataStorage.dat crashes MoVaPuCo during start
    - Fix some issues with using multi monitors
    - Datalogger scaling for offset and height/div does not work correctly for unit "mA"
    - In Inputs CAN and Profibus addresses are printed together
    - MoVaPuCo crashes after repowering a device connected via EtherCAT
    - Device info fields get edited
    - Exception: Collection was modified

2 Addressed Defects

ID	Category	Severity	Date Submitted	Summary	Description
15995	CR	minor	23.10.2026	Update Application Instruction - en.pdf and Application Instruction - de.pdf	Add and recommend the current VCI V4.0.1374 to the Application Instructions and give a hint to new USB-to-CAN/FD Standard.
15983	Bug	crash	16.10.2026	Exceptions with synchronization of interface-based device parameter removal	Exception came directly after installing the Release 4.4.7620 over the 4.3 and loading a real DCV3 EtherCAT device. I saw it 2 times, then it was hard to reproduce. I was not able to reproduce in debugger.
15977	Feature	minor	09.10.2026	Version information should be displayed	Since we must keep STM Firmware and NetX Firmware in synch, it is useful to display more than just the mansfwver as Firmware.
15972	Bug	minor	08.10.2026	GUI for RKP-D does not show the external LVDT	GUI for RKP-D does not show the external LVDT
15968	Bug	crash	07.10.2026	MoVaPuCo crashes, because TwinCAT does not set correct device type	Using Moog teststand_2 configuration to test #15967, MoVaPuCo crashed. The TwinCAT shows on the master configuration device type 0x0, that is not in sync with slave Box Device Type 0x198 (408). Also other parameters like Serial Number are not in sync.
15967	Bug	major	07.10.2026	Devices on EtherCAT with more than 128 bus participants are not found	A customer system has about 281 slave numbers. MoVaPuCo does not detect devices after position 128.
15935	Bug	major	18.09.2026	In Inputs CAN and Profibus addresses are printed together	With a Profibus and Varan valve in Inputs CAN and Profibus (Sercos) addresses are printed on top of each other
15914	Bug	text	08.09.2026	Device info fields get edited	The info field should only be Read-Only fields.
15824	CR	crash	08.07.2026	MoVaPuCo crash when exporting logfile	MoVaPuCo crash when exporting logfile problem occurred at a customer - so not connected to Moog network seems that MoVaPuCo could not access the Moog network path from the previously stored logfile and therefore crashed
15807	Feature	crash	03.07.2026	Support MoVaPuCo to run on Windows with active FIPS-Policy	MoVaPuCo does not run with active FIPS-Policy and crashes. The encryption method must be changed to a 'legal' one.

ID	Category	Severity	Date Submitted	Summary	Description
15802	Bug	crash	01.07.2026	MoVaPuCo crashes after repowering a device connected via EtherCAT	MoVaPuCo crashes after repowering a device connected via EtherCAT when continuous update is enabled. No crash if continuous update is disabled.
15763	Bug	minor	03.06.2026	In the outputs region, no CANopen Object Index / parameter names are listed	Box is empty, for details see screenshot
15754	CR	text	29.05.2026	PDO Configuration Help Text should be improved	recommended changes, see attachment
15741	CR	text	21.05.2026	Description of integrator preload modes in PQ function wrong	Switch descriptions for mode 1 and 2 Parameter: prsintprlmod
15683	Feature	major	24.04.2026	Device configuration extensions DCV4-2	The extensions for DCV4-2 in the vlvopt and manbrdopt and other parameter must be supported in MoVaPuCo Tab-structure Hardware- / Software Valve Options.
15654	Bug	minor	15.04.2026	da1typ = Parameter name: AnaOutType0	Typo in parameter name. See screen shot.
15566	CR	crash	19.02.2026	The Application Instruction must be updated	Because of crash of Windows 11, when installing the VCI V3.5.2.4268 driver from IXXAT, the current Windows 11 sometimes crashes in a way that it doesn't boot anymore and a new Windows must be installed. That must be described in the 'Application Instruction - en.pdf' and the 'Application Instruction - de.pdf'.
15561	Feature	major	18.02.2026	Support new and renamed parameter from DCV4	Support new and renamed parameter from DCV4
15550	CR	minor	12.02.2026	Valve access level dialog is not intuitive	Some users type the password and instead just press 'Return', they click the "Set user level" button, that sets the access level back to "1". To clear up this misunderstanding, an OK button for the password should be added. The button label for resetting to default level 1 needs to be clearer.
15529	Bug	crash	28.01.2026	Corrupt ApplicationDataStorage.dat crashes MoVaPuCo during start	When somehow ApplicationDataStorage.dat is corrupt, MoVaPuCo crashes after splash-screen. Also the Exception message in the log shows the wrong error: ...\ApplicationDataStorage.xml instead of ...\ApplicationDataStorage.dat.
15522	Bug	minor	21.01.2026	Baud rate detection wrong when bootup message	Sometimes during scanning 'Auto (active)' the bootup message is detected with 250kBit although it is 500kBit.

ID	Category	Severity	Date Submitted	Summary	Description
				received during scan	
15511	Feature	feature	19.01.2026	Adapt enumeration for analog input type parameters an0typ, an1typ..	Add the missing analog input types for all input channels.
15489	Feature	minor	17.12.2025	Support IXXAT USB-to-CAN professional V2 2nd CAN interface	The IXXAT USB-to-CAN professional V2 adapter has two CAN interfaces. Currently only devices are detected on interface CAN1. CAN2 should also work with MoVaPuCo
15478	CR	minor	08.12.2025	Merge changes in FirmwareXmlParser from DDGenerator to MoVaPuCo	Merge changes of #0015456: Object Names: The Object Index should not be part of the Name
15447	Feature	feature	18.11.2025	Adapt analog inputs/outputs option enumeration for new options	The following hardware options should be added to the 0xXX07 Analog input (0, 2-4), differential (4-20mA, +-10mA, +-10V, 0-10mA and 0-10V) => Differential_All XX option group of the analog input channel: 01, 10, 11, 12 0xYY06 Analog output x, single ended (4-20mA, and +-10V) => Sing_4_20mA_pm10V YY option group of the analog input/output channel: 02, 0F
15437	Feature	feature	17.11.2025	Adapt enumeration for analog output type parameters da0typ, da1typ	Change/add analog output types as below to be able to configure the channels as current or voltage via software. Type Description: Type 0: 4..20 mA -100% to +100% Type 1: 4..20 mA 0% to +100% Type 2: -10..+10 V -100% to +100% Type 3: 0..+10 V 0% to +100% Type 4: Analog output 2..10 V -100% to +100% Type 5: Analog output 2..10 V 0% to +100%
15360	Bug	minor	23.10.2025	MoVaPuCo Setpoint	MoVaPuCo Setpoint conditioner tabs do not react.

ID	Category	Severity	Date Submitted	Summary	Description
				conditioner tabs do not react	If you open the setpoint conditioner window for Q or p, the tabs do not react if you click on them with the mouse.
15355	Bug	minor	22.10.2025	MoVaPuCo in full screen mode covers the taskbar completely	MoVaPuCo in full screen mode covers the taskbar completely. However, if MoVaPuCo window is set to display on one half of the screen only, the taskbar stays visible.
15350	Bug	minor	21.10.2025	Tabulator "Motor" cannot be selected/opened	Even at the highest access level. See screenshot.
15332	Feature	minor	15.10.2025	MoVaPuCo should be a 64 bit application	We only support now 64 bit Windows operating systems. The installation target is "C:\Program Files\Moog"
15107	Feature	major	28.05.2025	Support CD53346 firmware for EtherCAT valves	Support "CD53346" firmware for EtherCAT valves in firmware detection and virtual devices.
15088	CR	minor	15.05.2025	Update the MoVaPuCo Project to .NET 8	The current version (.NET Framework 4.6.2) .NET Framework 4.5.2, 4.6, and 4.6.1 retired on April 26, 2022. It is not clear how long '.NET Framework 4.6.2' will be supported. All Moog projects in the solution must be transferred to .NET 8.0.
15068	Bug	minor	24.04.2025	Input field too short to show 8 digit Hex value	When selecting the hexadecimal value notation, the input fields are too short and show only 7 of 8 digits, e.g. when entering a value like BBBBCCCC.
15066	Feature	minor	23.04.2025	Support new filter in the current setpoint conditioning	Implement GUI elements for configurable filter in the current setpoint conditioning.
15008	Bug	minor	31.03.2025	Script error starting help videos	Starting the help videos cause script error.
14797	Feature	major	24.10.2024	GRPC interface: Select fieldbus adapter	The fieldbus adapter that is used to connect to the device shall be configurable without user interaction. This makes it possible to have more than one interface connected to the PC and select when RPC interface is used.
14778	Feature	major	09.10.2024	GRPC interface: Select device which has to be connected to MoVaPuCo	For full automation of MoVaPuCo testing an option to select the target device is needed. In current implementation the use of the RPC interface is only possible if a device is "opened" in MoVaPuCo.
14606	CR	minor	06.06.2024	A drag and drop of the	Other windows applications can be dragged and dropped also when the window

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				MoVaPuCo window should be possible also when the window is full expanded	is fully expanded. The expected reaction also for MoVaPuCo is that it is resized to the last size. When dropped to the top of another Monitor, it should be fully expanded there.
13779	Bug	minor	06.02.2023	CAN bit rate sometimes is detected wrong with NMT boot-up message	Sometime the NMT boot-up message is detected at a wrong bitrate when it comes at an unfortunate time.
13266	Bug	crash	23.03.2022	MoVaPuCo crashes when focus comes back to engineering interface	After past the content of a logfile in engineering interface the parameters are set correctly. When bringing back the focus to engineering interface, it crashes. It was not possible to import the logfile.
12836	Feature	major	22.09.2021	MoVaPuCo must also run on Windows 11	Make sure MoVaPuCo runs on Windows 11.
12752	Bug	major	12.08.2021	Datalogger scaling for offset and height/div does not work correctly for unit "mA"	Datalogger scaling for offset and height/div does not work correctly for unit "mA"
12288	Bug	minor	24.02.2021	Baud rates selection list does not match and LSS logs are wrong when an invalid baud rate is selected	While testing the supported baud rates with FW B99316-DV004-B-a18A it is noticed that the baud rates selection list is not consistent between LSS Dialog and Tabs/Communication. Another thing that is noticed is that when an unsupported baud rate is tried via LSS dialog then this baud rate is rejected by FW but MoVaPuCo logs show as if everything is OK. It should rather show that the requested baud rate is not accepted by FW because of invalid value.
10980	Feature	minor	08.10.2019	Implement a checkbox to display Moog devices only	Currently all found devices on the fieldbus are displayed. If there are e.g. 32 other devices found on EtherCAT fieldbus and only one Moog valve, you need to scroll around to find the Moog valve to config.
9696	Bug	major	31.07.2018	When changing from multi monitor to single monitor use, popup/overlay windows are not shown anymore	Popup and overlay windows remember their last position during work e.g. with connected additional monitor. If the program is used later with no additional monitor (notebook screen only) in some cases, the popup/overlay windows appear at a different position or do not appear at all.
9672	Bug	major	19.07.2018	Overlay windows do not remember their position correctly when using more than 1 monitor	Using more than 1 monitor, some of the overlay windows do not remember their position correctly if MoVaPuCo runs on the additional monitor(s)

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9627	CR	minor	04.07.2018	Disabling the IXXAT checkbox should not change the real device to a virtual device	Disabling the IXXAT (checkbox or USB connection) should not change the real device to a virtual device. It should become an offline device.
6135	Bug	crash	06.11.2014	The maximum window size should not be limited to one for multiple monitors	The window should be able to be drawn large e.g. over 2 monitors. Currently the window cannot be bigger than the main monitor.

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