RELEASE INFORMATION



VALVE AND PUMP CONFIGURATION SOFTWARE

VERSION 4.4

RELEASE NOTES

Rev 7654

Moog Valve and Pump Configuration Software

WHAT MOVES YOUR WORLD

MOOG

Foreword

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

	**IMPORTANT**: No part of this document may be copied, duplicated, reproduced, stored in a data storage system, translated into different language, or transmitted by data communication system, without the consent of Moog

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.

Author:

Info	Description
Moog Company	Moog GmbH
Address	Hanns-Klemm-Str. 28 71034 Boeblingen GERMANY
Phone	**+49 7031 622 0**
Fax	**+49 7031 622 100**
E-Mail	info.germany@moog.com
Web Site	www.moog.de

Document version

The following table shows the version of this document and all other possible versions:

ES	DA	DE	EL	EN	FR	IT	NL	PT	FL	SV	CS	ET	LV	HU	MT	PL	SK	SL	BG	RO	GA
				X																	

The language of documents and drawings are subject to contractual negotiations with the Customer.

In case of "Translation of the Original Instructions", the manufacturer of the machinery supplies also the "Original Instructions".

Contents

Foreword 2
About Moog 2
Document version 2
Contents 3
1 Product description: 4
2 Download page 4
3 System Requirements / minimum requirements 4
4 Equipment 4
4.1 Setup 1: connection via IXXAT VCI driver 4
4.2 Setup 2: connection via EtherCAT-Master-Mailbox-Interface (TwinCAT) 4
5 Release history 5
Release 4.4 5
Release 4.3 5
Release 4.2 6
Release 4.1 Patch 1 6
Release 4.1 7
Release 4.0 7
Release 3.8 7
Release 3.7 8
Release 3.6 8
Release 3.5 8
Release 3.4 9
Release 3.3 9
Release 3.2 9
Release 3.1 9
Release 3.0 11
Release 2.3 11
Release 2.2 11
Release 2.1 11
Release 2.0 12
Release 1.2 12
Release 1.1.1 12
Release 1.1 12
Release 1.0 12

1 Product description:

The **Mo**og **Va**lve and **Pu**mp **Co**nfiguration Software (MoVaPuCo) is a Microsoft Windows®-based software to configure digital Moog valves and pumps.

It allows the user to control and exchange data between a PC and a Moog Digital Control Servo Valves (DCV), Axis Control Valves (ACV) as well as Moog Radial Piston Pumps (RKP).
System parameters can be set, monitored, recorded and visualized with a flexible graphical user interface.

2 Download page

The software is provided by Moog free of charge on the download page.

Various manuals and the configuration files for fieldbus masters (EDS, ESI, XDD and GSD) are also available there.

https://www.moogsoftwaredownload.com/valves-pumps.html

3 System Requirements / minimum requirements

- PC / Notebook with Windows 11 (64 bit)
  (Windows (64 bit) 7/8.1/10 might work, but are no longer supported by Moog)
- PDF-Viewer
- 1 GB RAM
- 1 GB free hard disk space
- Monitor resolution 1280 x 1024 pixels
- Keyboard, mouse

4 Equipment

To connect the software with a device, the following additional equipment is required:

4.1 Setup 1: connection via IXXAT VCI driver

- IXXAT **VCI driver** (**V**irtual **C**ommunication **I**nterface) recommended version 4.0
- IXXAT **USB-TO-CAN** compact V2 adapter (Moog order code C43094-001)
- CANopen fieldbus interface (for multi device connections) or CANopen service interface (for point-to-point connection) at the Moog valve/pump
- A free USB port at service PC
- CAN-cable
  CAN-cable (Sub-D9 to M12; with termination resistor) recommended. (Moog order code TD3999-137) optional M8 to M12, A-coded Adapter (Moog order code. CA40934-001)

Instead of **USB-TO-CAN**-adapter an IXXAT CANblue II for **Bluetooth** or an IXXAT CAN@net II for **LAN/WLAN** connections can be used.

4.2 Setup 2: connection via EtherCAT-Master-Mailbox-Interface (TwinCAT)

- Connection to an EtherCAT-Master-Mailbox-Interface (TwinCAT)

5 Release history

Release 4.4

(Release 4.4.7654)

Date 2026-11-09

Product name: B99464-DV044-A-010

Main features of the release:

- Support for DCV4 devices
  - Support CD53346 firmware for EtherCAT valves
  - Support new filter in the current setpoint conditioning
  - Support renamed parameters
  - Visualization of Analog I/Os for DCV4, parted calibration
  - Adapt enumeration for analog output type parameters da0typ, da1typ
  - Device configuration extensions DCV4-2

- 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
- GRPC Support: Select USB-to-CAN adapter, find and load specific devices
- 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)
- Update Copyright in all source file headers
- 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

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory or as link “Addressed Defects” in the About window.

Release 4.3

(Release 4.3.7055)

Date 2025-04-16

Product name: B99464-DV043-A-010

Main features of the release:

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

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory or as link “Addressed Defects” in the About window.

Release 4.2

(Release 4.2.6666)

Date 2024-06-13

Product name: B99464-DV042-A-010

Main features of the release:

Support for DCV4 devices

- Better datalogger performance through tolerant handling of bus errors
- Datalogger clear screen function
- Better support float parameters (data logger, engineering interface, import/export logfile, hex)
- Change the percentage format in log file from 1.00 to 100.00%
- CANopen NMT State Machine: Add Additional Information about NMT State
- Update the open source documentation

Bug fixes:

- Data logger and continuous updating sometimes do not react "invalid sequence number" error
- Issues on Profibus and EtherCAT devices
- Parameter update problems e.g. enable signal
- Error with increase/decrease values via mouse wheel or arrows
- Export log file creation failed
- Error in communication overview filter

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory or as link “Addressed Defects” in the About window.

Release 4.1 Patch 1

(Release 4.1.6099)

Date 2023-03-15

Product name: B99464-DV041-A-010

Main features of the release:

- Fixed an error during the installation
- Update of Moog service addresses in documents

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory or as link “Addressed Defects” in the About window.

Release 4.1

(Release 4.1.6080)

Date 2023-03-07

Product name: B99464-DV041-A-010

Main features of the release:

- MoVaPuCo checks for updates in internet
- Improvement of the configuration of the status after power on for RKP
- Additional information for dither frequency (for higher access level only)
- Improvement of the display logic for the LVDTs
- Support new parameter, features and changes from valve firmware
- Restructure some tabulators of Controller->Pilot (for higher access level only)
- Update of the Moog Software Licenses
- Fix a security issue
- The XPS documents have been replaced by PDF because Microsoft has removed the XPS viewer with a Windows update. All MoVaPuCo versions older than 4.1 can no longer display the embedded documents after that Windows update. From now on MoVaPuCo requires a PDF viewer in your Windows
- Bug fixes

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory or as link “Addressed Defects” in the About window.

Release 4.0

(Release 4.0.5717)

Date 2022-07-25

Product name: B99464-DV040-A-010

Main features of the release:

- A new installer (WiX) is used to install the MoVaPuCo application on Windows. The help videos now have their own installation. The runtime environment for Windows 7 is no longer included.
- The basic infrastructure for processing model-specific data is implemented in MoVaPuCo.
- Support new features and changes from valve firmware (especially X15 pilot valve and new DCV3 DV005 releases).
- Bug fixes

Release 3.8

(Release 3.8.5353)

Date 2021-12-08

Product name: B99464-DV038-A-010

Main features of the release:

- Optimize GUI in Pressure controller
- Increase standard font size
- Support new features and changes from DCV3 DV005
- Support new features and changes from X15

- Add GUI for node guarding
- GUI extension for pilot spool control deviation
- Bug fixes

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory.

Release 3.7

(Release 3.7.5020)

Date 2021-07-16

Product name: B99464-DV037-A-010

Main features of the release:

- Better support for mapped parameters (*par-parameter)
- Fast selection of a parameter (optimized for lab)
- Support new features and changes from DCV3 DV005
- Support new features and changes from X15
- Support for frozen versions
- New calculator dialogs support the finding of the optimal parameter setting
- Fix "Self Reception Messages" on LSS via IXXAT
- Bug fixes

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory.

Release 3.6

(Release 3.6.4646)

Date 2021-01-18

Product name: B99464-DV036-A-010

Main features of the release:

- Support new parameters for p/Flow Controller
- Support of new features at DCV3 fault reactions
- Support changed data types for X15
- Support new parameters in Moog internal “TabView”
- Support MoVaPuCo own user level
- Redesign of the LSS windows and dialogs
- Fix of the performance problem with many bus participants via EtherCAT
- Bug fixes

More detailed information can be found in "Moog Valve and Pump Configurator addressed defects.pdf" in the installation directory.

Release 3.5

(Release 3.5.4343)

Date 2020-08-11

Product name: B99464-DV035-A-010

Main features of the release:

- Support second current controller for X15
- Support second zero correction for dual stage DCV/RKP
- Support new X15 parameters

- Support output monitoring for Power Control and Suck Limitation
- Support digital outputs
- Support of error corrections for parameter properties of old valve firmware versions
- Better support for problems with VCI driver
- Bug fixes

Release 3.4

(Release 3.4.3753)

Date 2019-12-03

Product name: B99464-DV034-A-010

Main features of the release:

- Improved performance of EtherCAT connections through support of larger SDOs
- Support of new Powerlink devices
- Status monitoring of all detected devices
- Support of new valve firmware
- Corrected display of DCVs Generation 3 according to VDMA 1.6
- Fix memory leaks
- Bug fixes

Release 3.3

(Release 3.3.3320)

Date 2019-04-26

Product name: B99464-DV033-A-010

Main features of the release:

- Support of the VCI driver V4.0 from IXXAT
- Support parameters of the new valve firmware (DCV Gen2 DV018 and DCV Gen3 DV002-3)
- The fieldbus parameters are better represented
- NMT boot messages are displayed
- Bug fixes

Release 3.2

(Release 3.2.2793)

Date 2018-07-18

Product name: B99464-DV032-A-010

Main features of the release:

- Support for radial piston pump for DCV Gen3
- Extend valve status to online / offline / virtual
- New settings for MoVaPuCo start time (scan, continuous update, auto load)
- New features for display of parameters (stored step size, new types, extended info field)
- Windows are now "pinable "
- Fieldbus CAN needs a better representation
- Bug fixes

Release 3.1

(Release 3.1.2600)

Date 2018-01-30

Product name: B99464-DV031-A-010

Main features of the release:

- Support for pressure compensated valve for DCV Gen3
- Connection over EtherCAT via mailbox register
- Transfer of the Tab-Structure from Movaco for test stand level
- Better support for DCV Gen 3
- Better support for ACV Gen 2
- Better update of the visible parameters
- Improved device detection at high bus load
- Bug fixes

Release 3.0

(Release 3.0.2313)

Date 2017-04-13

Product name: B99464-DV030-A-010

Main features of the release:

- Better support for new valves
- Restructure of CAN-communication
- Rework and cleanup of source code
- Update to Microsoft .NET Framework 4.6.2
- Bug fixes

Release 2.3

(Release 2.3.1881)

Date 2016-04-12

Product name: B99464-DV023-A-010

Main features of the release:

- Bug fixes
- Last Version that starts with Windows XP

Release 2.2

(Release 2.2.1800)

Date 2015-11-07

Product name: B99464-DV022-A-010

Main features of the release:

- Major revision of the parameter list with search function
- Two new help videos available in German (Internet Explorer 9 or higher)
- All help videos now available in English (Internet Explorer 9 or higher)
- Improvement of the data logger
- Improvement of import and export functions for parameters
- Support for field bus parameter: Powerlink, Sercos, VARAN, Profibus
- Minor design changes
- Bug fixes

Release 2.1

(Release 2.1.1383)

Date 2014-11-06

Product name: B99464-DV021-A-010

Main features of the Release:

- Help videos in German only (from Internet Explorer 9)
- Parameter list with search function
- Event Handler input window
- EtherCAT support
- Better device detection
- PDO mapping reworked
- presentation of controller structure improved

- German language support improved
- Improvement of the import and export functions for parameters
- configuration for data logger storable
- configuration for ‘My Device-Parameter’ storable
- Small design changes
- Bug fixes

Release 2.0

(Release 2.0.2056)

Date 2013-09-23

Product name: B99464-DV020-A-010

Features of the Release:

- presentation of controller structure improved
- Axis position controller GUI implemented
- Axis speed controller GUI implemented
- Set point conditioning graphics
- Support for NVCE
- Drag & Drop for parameters implemented
- bug fixes

Release 1.2

(Release 1.2.1524)

Date 20121-1-13

Product name: B99464-DV012-A-010

Release 1.1.1

(Release 1.1.1.1351)

Date 2012-03-30

Release 1.1

(Release 1.1.1290)

Date 2012-03-13

Release 1.0

(Release 1.0.979)

Date 2011-11-09

MORE PRODUCTS. MORE SUPPORT.

Moog designs a range of motion control products to complement those featured in this document. Moog also provides service and support for all of our products. For more information, contact the Moog facility closest to you.

Australia
+61 3 9561 6044
Service + 61 3 8545 2140
info.australia@moog.com
service.australia@moog.com

Brazil
+55 11 3572 0400
info.brazil@moog.com
service.brazil@moog.com

Canada
+1 716 652 2000
info.canada@moog.com

China
+86 21 2893 1600
Service +86 21 2893 1626
info.china@moog.com

France
+33 1 4560 7000
Service +33 1 4560 7015
info.france@moog.com
service.france@moog.com

Germany
+49 7031 622 0
Service +49 7031 622 197
info.germany@moog.com
service.germany@moog.com

Hong Kong
+852 2 635 3200
info.hongkong@moog.com

India
+91 80 4057 6666
Service +91 80 4057 6604
info.india@moog.com
service.india@moog.com

Ireland
+353 21 451 9000
info.ireland@moog.com

Italy
+39 0332 421 111
Service 800 815 692
info.italy@moog.com
service.italy@moog.com

Japan
+81 46 355 3767
info.japan@moog.com
service.japan@moog.com

Korea
+82 31 764 6711
info.korea@moog.com
service.korea@moog.com

Luxembourg
+352 40 46 401
info.luxembourg@moog.com

The Netherlands
+31 252 462 000
info.thenetherlands@moog.com
service.netherlands@moog.com

Singapore
+65 677 36238
Service +65 651 37889
info.singapore@moog.com
service.singapore@moog.com

South Africa
+27 12 653 6768
info.southafrica@moog.com

Spain
+34 902 133 240
info.spain@moog.com

Sweden
+46 31 680 060
info.sweden@moog.com

Turkey
+90 216 663 6020
info.turkey@moog.com

United Kingdom
+44 (0) 1684 858000
Service +44 (0) 1684 278369
info.uk@moog.com
service.uk@moog.com

USA
+1 716 652 2000
info.usa@moog.com
service.usa@moog.com

For product information, visit www.moog.com/industrial
For service information, visit www.moogglobalsupport.com

Moog is a registered trademark of Moog Inc. and its subsidiaries.
All trademarks as indicated herein are the property of Moog Inc. and its subsidiaries.
© 2026 a Moog company. All rights reserved. All changes reserved.

Moog Valve and Pump Configurator Software Release Notes

Moog GmbH, Rev 7654, Id. CDL CD49436 -en