This installation manual describes the installation of the Moog DriveAdministrator 5 PC user interface. Commissioning of the servo drives and their software functions are described in the operation manual for the relevant device series. The Moog DriveAdministrator 5 service and diagnostics tool helps you with the following activities:

- Commissioning
- Diagnostics
- Project management

Subject to technical change without notice.

The content of our Installation Manual was compiled with the greatest care and attention, and based on the latest information available to us.

We should nevertheless point out that this document cannot always be updated in parallel with ongoing technical developments in our products.

Information and specifications may be subject to change at any time. Please visit drives-support@moog.com for details of the latest versions.
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Dear user,

We are pleased that you have chosen a product from Moog. The installation manual enables you to install the Moog Drive Administrator 5 graphical user interface. For more information refer to the help system.

Abbreviations

<table>
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<th>Abbreviation</th>
<th>Description</th>
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<tr>
<td>MDA5</td>
<td>MOOG DRIVE ADMINISTRATOR 5</td>
</tr>
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PC Computer, Laptop

Table 1.1 Abbreviations used

Pictograms

<table>
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<tr>
<th>Pictograms</th>
<th>Explanation</th>
</tr>
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<tr>
<td>!</td>
<td>ATTENTION! Important notice which, if not observed, will potentially impede commissioning.</td>
</tr>
<tr>
<td></td>
<td>NOTE: Information</td>
</tr>
</tbody>
</table>

Table 1.2 Pictograms used
1 Electrical Installation

This installation manual helps you to install the Moog DRIVEADMINISTRATOR 5 PC graphical user interface with integrated online help and multi-axis management.

Supported device types:
- Programmable Single-Axis Servo Drive Standard Version
- Programmable Multi-Axis Servo Drive and PSU
- Programmable Single-Axis Servo Drive Compact Version

Moog DRIVEADMINISTRATOR 5 functions
- Initial commissioning of single-/multi-axis systems
- Quick serial commissioning with commissioning file (firmware, parameters, PLC)
- Operation, parameter setting
- Diagnostics (oscilloscope on-board)
- Manual drive control
- Project management

1.1 System help

Moog DRIVEADMINISTRATOR 5 provides context-sensitive system help. Press the F1 key to move the cursor to the desired subject area. The system help is divided into the following two sections:

Program help:
The program help describes the functions of the Moog DRIVEADMINISTRATOR 5. It provides an overview of the user interfaces, the function of the oscilloscope and the project management.

1.2 Supply package

<table>
<thead>
<tr>
<th>Content of the CD-ROM</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moog DRIVEADMINISTRATOR 5</td>
<td>Moog DRIVEADMINISTRATOR software</td>
</tr>
<tr>
<td>Service tools</td>
<td>Device serial commissioning tool: Click on the desktop icon to run serial commissioning without using Moog DRIVEADMINISTRATOR 5.</td>
</tr>
<tr>
<td>Moog Help</td>
<td>Program help and device help: The help system can be accessed directly from Moog DRIVEADMINISTRATOR, and contains context-sensitive links. The help can also be opened by clicking the question mark icon on your desktop.</td>
</tr>
</tbody>
</table>

NOTE:
The device help can only be accessed if the connection between MDA 5 and the device is operative.
1.3 System requirements

<table>
<thead>
<tr>
<th>Function</th>
<th>Operating systems</th>
<th>Add-on software</th>
<th>Interfaces (Follow the instructions given)</th>
<th>Minimum requirement: Processor</th>
<th>Minimum requirement: Memory</th>
<th>Minimum requirement: Hard disk</th>
<th>Drive</th>
<th>Monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moog Shell extender</td>
<td>Microsoft Windows XP (SP2), Vista (32, 64-bit), Windows 7 (32, 64-bit), Windows 8 (32, 64-bit)</td>
<td>Microsoft .NET Framework 3.5</td>
<td>A free Ethernet or USB port (not necessary for all devices)</td>
<td>1.5 GHz</td>
<td>1 GB RAM</td>
<td>2 GB free capacity</td>
<td>CD drive</td>
<td>1024 x 768 pixels at 96 dpi recommended</td>
</tr>
</tbody>
</table>

Table 1.4 System requirements

1.4 Connecting cables

The required cables are not supplied with the MDA 5! For the Ethernet connection a crosslink Ethernet cable CAT 5 with 2 x RJ45 connectors, is required. For the USB connection where appropriate (e.g. on Servo Drive) an USB cable, type A to type B, is required.

The order code for the interface cable ist the cable name. The required cable shall be ordered as a separate line item.
1.5 Preparing installation

Operating system
Make sure your operating system is up-to-date and all Service Packs (under Windows XP at least Service Pack 2) and updates have been installed.

You can check whether your system has been updated as follows.

Update installation
- Click on the Windows Start button
- Choose “All Programs”
- Open Internet Explorer
- “Tools” menu bar
- Run Windows Update

Add-on software
If the Microsoft .NET Framework 3.5 program is not installed on your computer, download it from the Microsoft website.

Monitor setup (Microsoft)
If the Moog DriveAdministrator 5 user interface is not displayed in full, the monitor resolution needs to be adjusted. The procedure may vary between Windows XP, 7 and 8.

Click “Start” > Control Panel > Display > Adjust resolution (Windows 7/8)

1.6 Installing MDA5

Method:
- If you received MDA 5 as a file (e.g. by e-mail or as a download), run the “setup.exe” file.
- If you have an installation DVD, insert it into your PC’s drive. If the installation does not start automatically after a few seconds, click on the “setup.exe” file in the root directory of the DVD to start the installation manually.
- Follow the instructions given by the setup wizard.
1.6.2 Installation complete

Following successful installation, these four icons appear on the desktop.

<table>
<thead>
<tr>
<th>Pictograms</th>
<th>Function</th>
</tr>
</thead>
</table>
| ![Starting MDAS](image) | Starting MDAS  
Double-click to start MDAS. The workspace is displayed. The MDAS Help system provides detailed instructions on how to use MDAS.  
Menu > Help > Moog DriveAdministrator |
| ![MDAS and Servo Drive help system.](image) | MDAS and Servo Drive help system. |
| ![Serial commissioning of servo drives with existing commissioning files (separate loader program).](image) | Serial commissioning of servo drives with existing commissioning files (separate loader program). |
| ![IP network setting without MDAS](image) | IP network setting without MDAS |

Figure 1.2 Desktop icons

1.6.3 Uninstalling

Uninstalling via setup screen

- Select the components to uninstall from the right-hand pane of the installation screen.
- Select the components to uninstall by placing a tick against them.
- When you select "Run installation automatically" the components being uninstalled are zipped. Click "Uninstall" to start the uninstall operation.
- If you do not select "Run installation automatically" each component must be uninstalled separately.

Figure 1.3 Uninstall screen
1.6.4 Uninstalling via Windows Control Panel

The uninstall process may vary according to the operating system.
- Click on the Windows Start button
- Control Panel
- Programs
- Uninstall program
- Select programs
- Double-click on the highlighted components.

Uninstall these components:
- DriveAdministrator 5.x.x
- Moog Shell extender
- MSD Service tools
- Moog USBIO Driver
- MSD Help
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Applicable from software version: 5.4.52

The German version is the original of this Installation Manual.