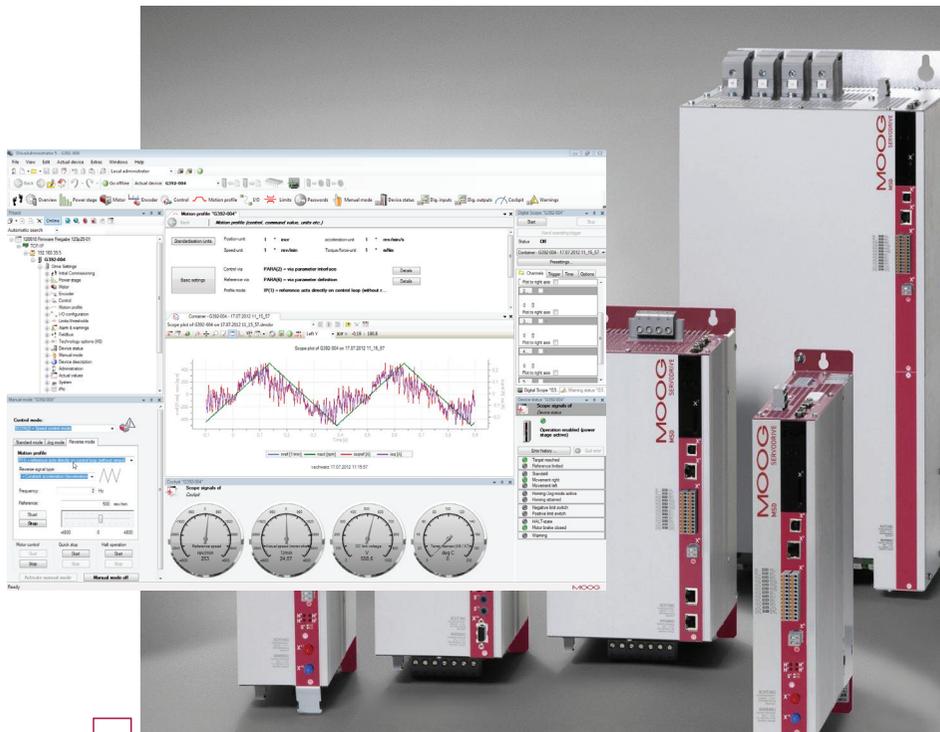
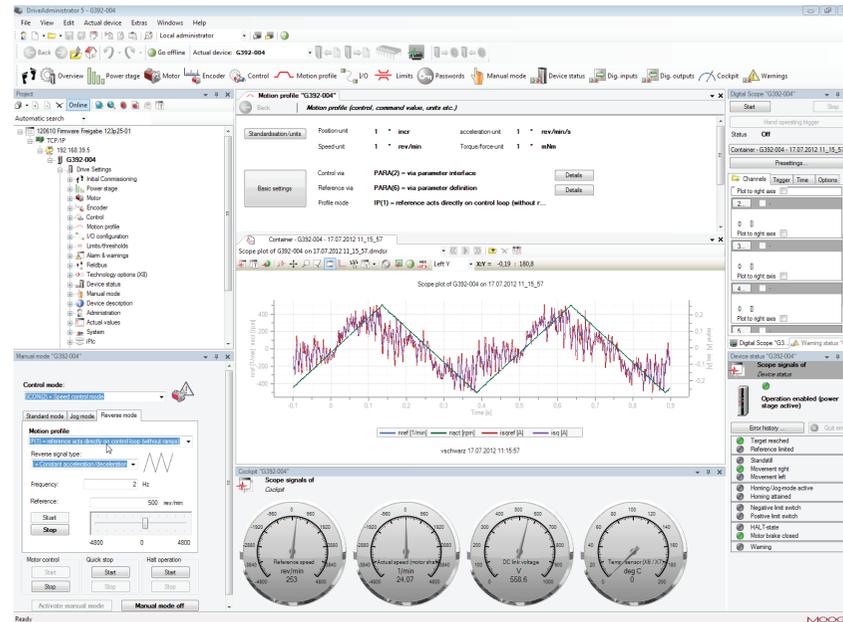


## Moog DRIVEADMINISTRATOR 5 Installation Manual





## Moog DRIVEADMINISTRATOR 5

Moog DRIVEADMINISTRATOR 5 is a tool enabling computerized commissioning of servocontrollers from Moog GmbH.

This service and diagnostics tool assists commissioning personnel in

- Commissioning
- Operation and diagnostics
- Project management

## Technical alterations reserved

The contents of our documentation have been compiled with greatest care and in compliance with our present status of information.

Nevertheless we would like to point out that this document cannot always be updated parallel to the technical further development of our products.

Information and specifications may be changed at any time. For information on the latest version please refer to [drives-support@moog.com](mailto:drives-support@moog.com).

## Moog DRIVEADMINISTRATOR 5 Installation Manual

ID no.: CB50726-001, Rev. 1.0

Date: 08/2012

Applicable from software version: 5.4.10

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Space for your own notes

# 1. About this Manual

Dear user,  
 We are happy that you have purchased a product from Moog GmbH.  
 We recommend that you read this installation manual thoroughly before attempting to install the software.  
 Please read and observe all warnings contained in this manual.

## Abbreviations

MDA 5	Moog DRIVEAdministrator 5
PC	Personal Computer

*Table 1.1 Abbreviations used*

## Pictograms

Pictograms	Explanation
	ATTENTION! Important notice which, if not observed, will potentially impede commissioning.
	NOTE: Information

*Table 1.2 Pictograms*

## 1.1 System documentation

Document	Contents
Installation Manual	Installing and launching MDA 5
Operation Manual	Safety, technical data, initial commissioning of the servocontroller
System help for Moog DRIVEADMINISTRATOR System help for devices	Function description of user interface (mobile documentation)
CANopen and EtherCAT User Manual	Application of the CANopen and EtherCAT profiles
SERCOS User Manual	Application of the SERCOS profile
Profibus-DP User Manual	Application of the Profibus profile
CANopen + 2 analog outputs Specification	Description of the two analog outputs
EnDat2.1 / SinCos Module Specification	Description of the EnDat2.1 / SinCos channel

*Table 1.3 Available documents*

## 1.2 Using the System documentation

- To ensure correct installation of MDA 5 we recommend you read the Installation Manual.
- With regard to installation, basic configuration and operation of the controller and motor, refer to the Operation Manual and the Help system.
- If the device is controlled by a variant featuring a field bus, please use the separate user manuals for the individual bus systems.
- If using analog outputs and additional encoders, please refer to the relevant specifications.

## 2. Installation

We recommend you follow this procedure when installing MDA 5. Start by checking the minimum system requirements.

### 2.1 System requirements

Operating system	Microsoft Windows XP (SP2), Windows Vista, Windows 7
Add-on software	Microsoft .NET Framework 3.5
Interface (Follow the instructions given)	A free Ethernet port or USB port (not necessary for all devices)
Processor	1.5 GHz
Memory	1 GB RAM
Hard disk	2 GB free capacity
Drive	CD drive
Monitor	1024 x 768 pixels at 96 dpi recommended

Table 2.4 System requirements



**NOTE:** 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 MSD Servo Drive) an USB cable, type A to type B, is required.



**NOTE:** The order code for the interface cable is the cable name. The required cable shall be ordered as a separate line item.

### 2.2 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.



**NOTE:** You will need administrator rights for this. Contact your system administrator if you are in any doubt.

Procedure:

- Start
- Programs
- Internet Explorer
- On the "Tools" menu bar
- Windows Update

Install all displayed updates as appropriate.

**Add-on software** If the Microsoft .NET Framework 3.5 program is not installed on your computer, it will be automatically installed before installing MDA 5. The installation is carried out in the language in which MDA 5 is installed.



**NOTE:** You will need administrator rights for this. Contact your system administrator if you are in any doubt.

**Monitor only applies to** Microsoft Windows XP (SP2)

To provide an adequate quality of display on the user interface, the monitor resolution should be set to 96 dpi. A higher resolution, such as 120 dpi, will cause segments of text in dialog boxes to disappear partially or entirely.

Check the setting and adjust it to 96 dpi as necessary:

- Right-click anywhere on the desktop
- Properties
- "Settings" tab, "Advanced" button
- "General" tab, "Display" section
- Select "Normal size (96 DPI)"
- Click "OK" twice

## 2.3 Installing MDA 5

MDA 5 installation procedure:

- 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 CD, 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 CD to start the installation manually.
- Follow the instructions given by the setup wizard.



**NOTE:** To install MDA 5 you must have at least local administrator rights. Otherwise it will not be possible to install the program. Consult your system administrator prior to installing if you are in any doubt!

### 2.3.1 Components selection for Installation

In the left-hand pane of the setup window you select which of the available components you want to install. You then select the setup type: „Complete“ or „Custom“:



Figure 2.1 Setup windows

In case USBIO Driver V3.0.0.0 is not installed, tick the box.

### 2.3.2 Setup type

#### "Complete":

All possible program components are installed, including the Help system of "Moog DRIVEADMINISTRATOR" and Help system of MSD Servo Drive.



Attention: The Help system replaces the Moog DRIVEADMINISTRATOR User Manual and the MSD Servo Drive Application Manual. Those documents are not available in PDF format.



Figure 2.2 Setup and Setup Type windows

#### "Custom Setup":

Selection for user-defined setup.

About the indicated project tree the desired components for the Installation is selected.

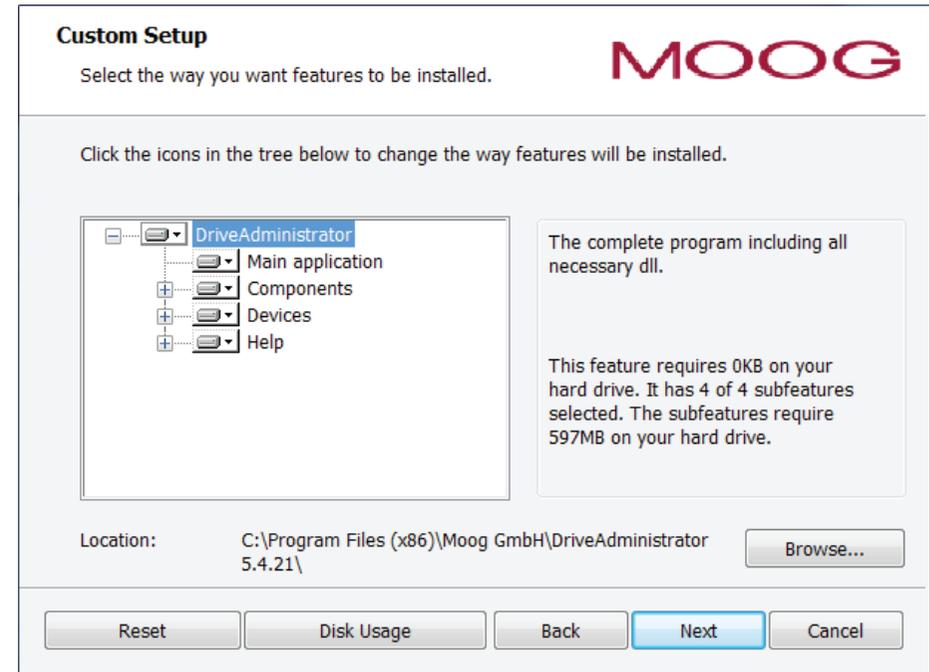


Figure 2.3 Selection of custom features

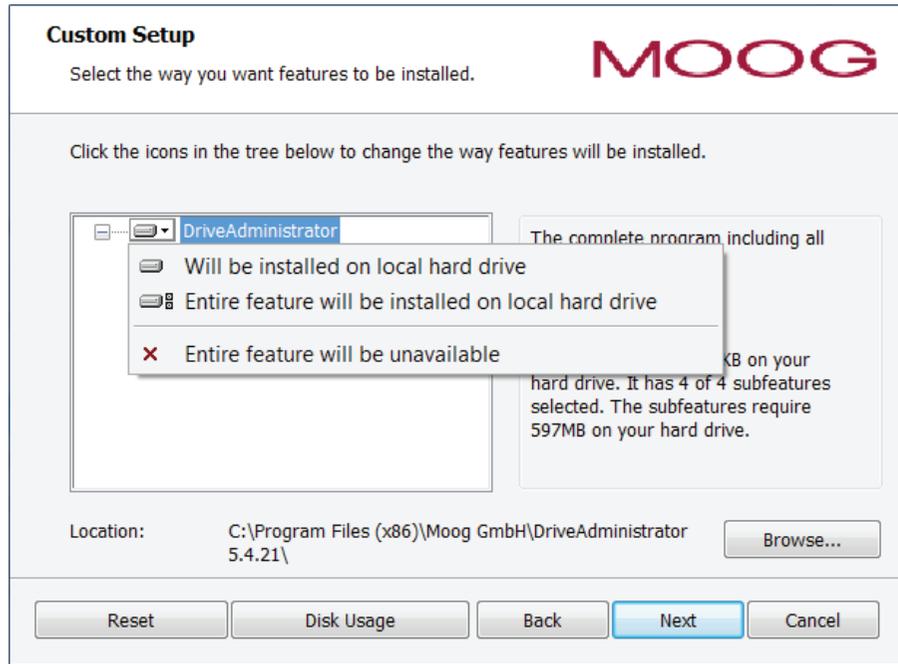


Figure 2.4 Selection of custom features in detail

Following successful installation, the following four icons are placed on the desktop.

 <p><b>DriveAdministrator 5.4.21</b></p>	<p>Starting MDA 5 Double-click to start MDA 5. The workspace is displayed. The MDA 5 Help system provides detailed instructions on how to use MDA 5. Menu &lt; Help &lt; Moog DRIVEADMINISTRATOR</p>
 <p><b>Moog Help</b></p>	<p>Help system (mobile documentation) for MDA 5 and MSD Servo Drive.</p>
 <p><b>Drive Commissioning Loader</b></p>	<p>Serial commissioning of drive control with existing commissioning files (separate loader program).</p>
 <p><b>Drive IP Network Setup</b></p>	<p>IP network setting without MDA 5</p>

Table 2.5 Icons



**NOTE:** For instructions on how to make connections and create projects, and for descriptions of all other features, refer to the Moog DRIVEADMINISTRATOR's Help system. From the Help menu you can choose "Moog DRIVEADMINISTRATOR Help" or "MSD Servo Drive Help" to find out more about the available features and functions.

## 2.4 Uninstalling

Uninstallation via setup.exe: To uninstall the program, select the Setup application from the MDA 5 folder. Double-click to open the Setup window.



Figure 2.5 Icon for uninstall program

The installed MDA 5 versions are listed on the right-hand side.

- Tick the boxes under "Already installed components" to select the components you want to uninstall.
- Click "Uninstall".
- The uninstall procedure starts.

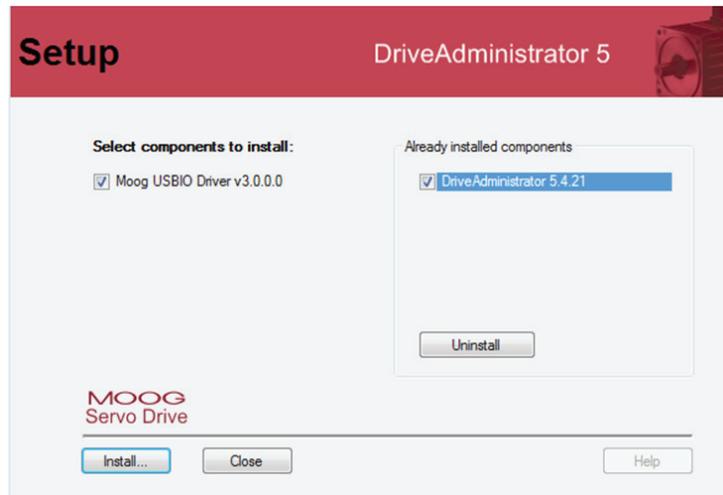


Figure 2.6 Uninstall wizard

Uninstallation via Windows 7:

You are able to uninstall the Moog DRIVEADMINISTRATOR via < control panel / < Programs and Features.

Uninstallation via Windows XP:

You are able to uninstall the Moog DRIVEADMINISTRATOR via < control panel / < Add or Remove Programms.



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ID no.: CB50726-001, Rev. 1.0, 08/2012

Applicable from software version: 5.4.10

The German version is the original of this Installation Manual