

Release Notes for FAULHABER Motion Manager 6

Revision	Date	Change Description
V6.5.1	11.12.2018	<p>Fixed:</p> <ul style="list-style-type: none"> • Corrected Rth and Tw1 values for new BXT motors • XDC file download on MC2-CO sends parameters in the correct order to avoid a second download with parameters depending on factor group settings • MC-Basic editor: Cursor position after mouse click on longer pages
V6.5	21.11.2018	<p>New:</p> <ul style="list-style-type: none"> • Enhancement of the integrated development environment for MC V3.0 sequence programs • Improvements for MC V3.0 <ul style="list-style-type: none"> ○ Support for FW version „J“ • Improvements for MC V2.x <ul style="list-style-type: none"> ○ Support for CO FW version „D“ • Support for new BXT motors • MC V3.0 devices connected via Windows 10 serial usb driver can be operated as a FAULHABER usb device instead of using the assigned virtual com port (new interface plug-in MC3UsbCom.dll) <p>Changed:</p> <ul style="list-style-type: none"> • “Optimising the polar angle“ removed for MC V2.x • Firmware update process revised
V6.4	25.04.2018	<p>New:</p> <ul style="list-style-type: none"> • FAULHABER support file • Speed Controller support for new 14 pole BXT motors • Improvements on “Select motor” wizard <ul style="list-style-type: none"> ○ Visible also for MCS to configure external encoders and ambient parameters ○ Motor parameters can be exported and imported ○ The adjustment of the hall sensors can additionally be accessed from outside the wizard <p>Fixed:</p> <ul style="list-style-type: none"> • Incompatibility with XDC files which were generated with Motion Manager 5 • Problems with latest IXXAT VC4 driver on Windows 10
V6.3	07.12.2017	<p>New:</p> <ul style="list-style-type: none"> • Improvements for MC V3.x <ul style="list-style-type: none"> ○ Support for devices with STO functionality

		<ul style="list-style-type: none"> ○ Support for FW version “I” ○ Free text search in drive functions window ○ Improved controller tuning ○ Toggle digital outputs ○ Optimized system identification ○ Optimized motor selection wizard ● Improvements for MC V2.x <ul style="list-style-type: none"> ○ Motion Cockpit and Operate Motor dialog according to MC V3.x ○ Improved CANopen functions according to MC V3.x ● General improvements <ul style="list-style-type: none"> ○ Client / server network functionality ○ Free text search in CANopen-Object related windows ○ Copy contents out of lists (Terminal log, Object Browser) ○ Global “Switch Off” command (F5) ○ Optimized scaling on high resolution displays ○ Node-Explorer settings are saved automatically if they aren’t saved explicitly in a project file ○ Terminal displays values according to their data type ○ Configure connection parameters: CANopen COB-IDs can be set according to the nodeld <p>Fixed:</p> <ul style="list-style-type: none"> ● Failure on manual download of firmware files in some cases ● Error „No firmware found” after motor selection for SC device ● Access to unconfigured LSS node via USB ● Management of MC V3.x sequence program files
V6.2	12.05.2017	<p>New:</p> <ul style="list-style-type: none"> ● General usability improvements ● Offline mode with virtual devices ● Drive Functions: <ul style="list-style-type: none"> ○ Adjustment for MC V3.0 Firmware Vers. „H” ● Node Explorer: <ul style="list-style-type: none"> ○ Hint if node is in fault state with reset possibility ○ Ports can be deleted via context menü or delete key ● Status Display <ul style="list-style-type: none"> ○ New Tab for fault registers and fault history ● Changes in graphic analysis tool (trace function) ● Terminal window <ul style="list-style-type: none"> ○ Search function implemented ○ Object names displayed with object commands ● Controller MC2.5 <ul style="list-style-type: none"> ○ Support for CSP mode if provided from the device

		<ul style="list-style-type: none"> • Downloader <ul style="list-style-type: none"> ○ New format *.bix for single file download <p>Fixed:</p> <ul style="list-style-type: none"> • Treatment of receive buffer overrun • Configuration for multiturn encoder
V6.1.1	15.12.2016	<p>Fixed:</p> <ul style="list-style-type: none"> • Firmware update timeout in some cases • Service module allows reconfiguration of MC5005 devices with wrong hardware id for firmware update • Online-Updater: Hostname changed to www.faulhaber.com
V6.1	06.12.2016	<p>New:</p> <ul style="list-style-type: none"> • Usability Improvements • Motor selection wizard and controller wizard configure also profile parameters • Extended MC V3.x drive functions dialog • Downloader supports new MC3 bootloader for faster firmware downloads. Optional restores pre-saved user configuration after EEPROM-Update. • A new method to identify inertia implemented in the controller configuration wizard. • Improved system identification via frequency response moved to a separate tool. • Object browser has a new search function and shows the units of the objects in a separate column. • Functionality and secureness of the controller tuning tool is increased (more tuning parameters, optional trace sources selectable, special configuration page, ...) <p>Fixed:</p> <ul style="list-style-type: none"> • Connection wizard disappeared sometimes during node scan • Unnecessary error message appeared, when USB driver was not installed • Errors in program and parameter file download for MC V2.x • Unit of configured load for linear motors • MCLM 300x CO Hall sensor optimization • False behavior after device connection in special situations • Display of operation mode options in drive functions dialog for MC V3.x
V6.0	21.04.2016	First release