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Thank you for choosing Hottinger Brüel & Kjaer (HBK) as solution provider for your measurement, testing and analysis tasks.

This document shows product news and dependencies around the QuantumX and SomatXR data acquisition series, for instance modules, accessories, firmware, PC software, documentation, services and trainings.

As this document is also part of the system software shipped together with every single module, please check whether an updated version is available on <http://www.hbm.com>

We always recommend using the latest release of firmware and software shown in this document for all modules and PCs!

Your opinion counts a lot. Please contact us and let us know how to improve our products and services. Many thanks in advance: <http://www.hbm.com/support/>

What's new or updated?

New modules

- None

MX Module Firmware 4.36.12.0 (0, A, and B platform)

- **New**
 - MX878/MX879: Asynchronous signals can be connected to Alarm inputs (beside float, now also int32 and uint32)
 - All: minor bug fixes

MX Module Firmware 4.36.12.0-C (C platform)

- **New**
 - All: minor bug fixes
- **Known Bugs**
 - CX27C: Before downgrading to a version below 4.32 the fieldbus mode must be set to PROFINET because no other fieldbus is supported in lower versions

PC Software

- **catman 5.4.2**
 - **New**
 - New easier structure with additional functionality in the basic version
 - Sensor Setup with Wiring Diagrams
 - Store two data formats in parallel
 - Enriched HBK Sensor Database
 - Small fixes and improvements

- **MX Assistant 4.11.2**
 - **New**
 - Small fixes and improvements

Documentation

- **Reworked**
 - Datasheet MX238B
 - Datasheet MX403B
 - Datasheet MX460B
 - Datasheet MX840B
 - Datasheet CX27C-R

Version Chart

QuantumX / SomatXR for free PC software (DVD and download)	Version 4.11.2 (* = has been updated)
MX Assistant	4.11.2 *
HBM Device Manager	2.0.0
FireWire driver for Microsoft Windows™	1.45.0.0

Device / module firmware	Version
QuantumX Data Recorder CX22B and CX22B-W	Firmware: 5.3.1.1 Update: 5.4.2 (update: install new catman + license key)
QuantumX MX840B, MX440B, MX1615B, MX1601B, MX1609KB/TB, MX410B, MX460B, MX430B, MX238B, MX403B, MX809B, MX471B, MX878B, MX879B, CX27B and older modules.	4.36.12.0 *
QuantumX CX27C, MX471C	4.36.12.0-C *
SomatXR Data Recorder CX22B-R-W	Firmware 5.3.1.1 Update: 5.4.2 (update: install new catman + license key)
SomatXR MX840B-R, MX1615B-R, MX1601B-R, MX1609KB- R/TB-R, MX411B-R, MX471B-R, MX460B-R	4.36.12.0 *
SomatXR CX27C-R, MX471C-R	4.36.12.0-C *
Framework.dll	4.16.2

Commercial PC software (DVD and download)	Version
catman®EASY / AP	5.4.2
catman®Enterprise	8.1.1 *
HBM Common LabVIEW™ driver	3.0
HBM Common API driver for Visual Studio .NET	6.0 *
QuantumX CANape driver	4.1.5 (for V13-16), 4.1.6 (for V17+) *

The software shown in the version chart has passed functional validation and quality assurance procedures (verification). To our best knowledge and expertise, the software is bug free and qualified to be used in test & measurement tasks (IATF 16949).

Minimal Requirements for the PC

- Software:
 - Windows® Vista™, 7, 8.x or 10
 - Microsoft Internet Explorer Version 8.0 or newer
 - Microsoft .NET Framework 4.0
if necessary, needs to be manually installed using Windows-Update under Windows 8
- Hardware:
 - 32- or 64-Bit architecture
 - Intel Pentium 1 GHz or equivalent
 - Memory (RAM):
 - 1024 MByte under Windows Vista™, 7, 8.x or 10
 - Graphic card and monitor with resolution of at least 1024 x 768 pixels
 - Up to 100 MByte free hard disk memory (more in case of lacking .NET Framework)
 - Ethernet interface (100/1000 MBit)
 - Optional FireWire 1394b adapter (PC-CARD, expressCARD/34, PCIeexpress or Thunderbolt).

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