RELEASEnotes

November 2024

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.

This document is also part of the system software available on http://www.hbm.com/start

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: HBK Support.

What's new or updated?

New modules

- None

MX Module Firmware 4.46.32.0 (0, A, and B platform)

- **New**
    - All: Optimized TEDS functionality (error codes, tuning RFID circuit)
    - All: Physical sensor range is calculated from full scaling spectrum
    - MX590B: Thresholds for overload and invalid modified
    - All: minor bug fixes and improvements
- **Known limitations**
    - B platform (Module Revision): Modules with revision 27D or 2FD cannot be operated with a firmware smaller 4.40.6.0, modules with revision 47D or 4FD with a firmware smaller 4.40.10.0.
    - MX440B, MX840B, MX590B: In decimal data rate domain the filter frequency of the second signals is smaller as parameterized (factor 2).

MX Module Firmware 4.46.32.0-C (C platform)

- **New**
    - All: Optimized TEDS functionality (error codes, tuning RFID circuit)
    - All: Physical sensor range is calculated from full scaling spectrum
    - CX27C: Status bit "settings changed" modified
    - All: minor bug fixes and improvements
- **Known limitations**
    - Not supporting MXFS

- CX27C: Old modules (no A, B or C version) are not always found behind a CX27C. Workaround: Soft reboot of only CX27C.

- CX27C: Before downgrading to a version below 4.32 the fieldbus mode must be set to PROFINET because no other fieldbus is supported in CX27C with lower versions.

- All (Module Revision): Modules with revision 501 cannot be operated with a firmware smaller 4.40.10.0-C.

CX22-Masterimage 5.6.3
(for new units and chargeable upgrade for B platform)

- **New**
    - Updated Shell incl. mobile hotspot functionality
    - Pre-installed software
        - Catman Easy 5.6.3
        - MX Assistant 4.14.1

PC Software

- **catman 5.6.3**
    - **New**
        - Loading projects with multiple cameras
        - Introducing MQTT support
        - Improved data displays in certain scenarios
        - Improved CANraw decoding
        - MXFS improvements
        - minor bug fixes and improvements

- **MX Assistant 4.14.1**
    - no update

Documentation

- **no Update**

Version Chart

QuantumX / SomatXR for free PC software (DVD and download)	Version 4.14.1 (* = has been updated)
MX Assistant	4.14.1
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	Masterimage: 5.6.3 *
QuantumX MX840B, MX440B, MX1615B, MX1601B, MX1609KB/TB, MX410B, MX460B, MX430B, MX238B, MX403B, MX809B, MX471B, MX878B, MX879B, CX27B and older modules.	4.46.32.0 *
QuantumX CX27C, MX471C	4.46.32.0-C *
SomatXR Data Recorder CX22B-R-W	Masterimage: 5.6.3 *
SomatXR MX840B-R, MX1615B-R, MX1601B-R, MX1609KB-R/TB-R, MX411B-R, MX471B-R, MX460B-R	4.46.32.0 *
SomatXR CX27C-R, MX471C-R	4.46.32.0-C *
Framework.dll	4.33.2

Commercial PC software (DVD and download)	Version
catman®EASY / AP	5.6.3 *
HBM Common LabVIEW™ driver	4.0
HBM Common API driver for Visual Studio .NET	6.3 *
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 for system software installation

- Software:
  - Windows® 10, or 11
  - Latest Internet Browser
  - Microsoft .NET Framework 4.x
- Hardware:
  - 32- or 64-Bit architecture
  - Intel Pentium 1 GHz or equivalent
  - Memory (RAM):
    - 1 GByte under Windows 10
    - 4 GByte under Windows 11
  - 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, PCIexpress or Thunderbolt).