RELEASEnotes

Thank you for choosing HBM 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 DVD shipped together with every single module, please check whether an updated version is available: http://www.hbm.com

We always recommend using the released firmware and software shown in this document!

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?

Module Firmware

- **New Functionality**
    - MX840B, MX440B, MX809B: support of thermocouple type C
    - MX430B, MX238B: supports now quarter bridge adapter SCM-SG120/350/700/1000

- **Improvement / solved Issues** .
    - All modules: handling of TEDS regarding output unit
    - MX460B: frequency measurement / speed with pick-ups on crank wheels
    - MX460: mapping of signals from channel 1 to 4 possible (speed, position)
    - MX1615B: improvement in parameterization
    - MX430B, MX238B: fixed issue overflow after re-parameterization for some seconds
    - MX840B, MX440B, MX809B: polynomial based cold junction compensation type J optimized

PC Software

- MX Assistant
    - MX471/B: mapping several signals with different data types to a single CAN message, using the maximum bandwidth.

      Example: 4 temperatures, acquired by thermos couple with MX809B, send as UINT16 in a single message ID #500.
- Drivers for other PC software packages:
    - Please check our web page.

Documentation

- QuantumX
    - Extended data sheets: MX430B, MX238B, MX809B, MX840B, MX1601B, MX1615B.
    - Extended operating manuals: Standard and Isolated (MX403B/MX809B)
- SomatXR
    - New data sheets: UPX002 (uninterruptible power supply), SCM-R-TCK (thermocouple adapter type K), SCM-R-SG (quarter bridge completion adapter)
    - Extended data sheets: CX23-R, EX23-R, MX840B-R, MX1601B-R, MX1609KB-R, MX1615B-R, Accessory Overview
    - Extended operating manual and quick start guide: MX modules

Version Chart

QuantumX / SomatXR system PC software (DVD and download)	Version 4.51 (* = has been updated)
MX Assistant	4.5.1.245 *
FireWire driver for Microsoft Windows™	1.45.0.0* (please update)
HBM Device Manager	1.0.0.1

Device / module firmware	Version
QuantumX Data Recorder CX22B and CX22B-W	4.2.2 (just install catman)
QuantumX MX840B, MX440B, MX1615B, MX1601B, MX1609KB/TB, MX410B, MX460B, MX430B, MX238B, MX403B, MX809B, MX471B, MX878B, MX879B, CX27B and older modules…	4.6.26 *
SomatXR Data Recorder CX23-R	1.12.2 *
SomatXR MX840B-R, MX1615B-R, MX1601B-R, MX1609KB-R, MX411B-R, MX471B-R	4.6.26 *

Commercial PC software (DVD and download)	Version
catman®EASY / AP	4.2.2
catman®Enterprise	6.5.1
HBM Common LabVIEW™ driver	2.0.2
HBM Common API driver for Visual Studio .NET	3.1
QuantumX CANape driver	4.1.3

Minimal Requirements for the PC

- Software:
    - Windows®XP, 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):
        - 512 MByte under Windows® XP
        - 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 (10/100/1000 MBit)
    - Optional FireWire 1394b adapter (PC-CARD, expressCARD/34, PCI, PCIexpress) or **Thunderbolt adapter.**