Release Notes

Perception & GEN Series Firmware   **Version v8.54**

HBK
HOTTINGER BRÜEL & KJÆR

Contents

1 Update information

These release notes describe changes in Perception (including GEN series firmware) V8.54.

2 Mid and long-term support roadmap

Starting with Perception V8.00 some legacy features, mainframe and card support are no longer present. (A Perception V7.6x maintenance version is available for critical bug fix support.)

2.1 Supported on latest Windows versions

Including all updates until June 2023:

- Windows 10 Pro 1607 and higher (64 bit only)
- Windows 11 Pro

Installation requirements:

- Dot Net Framework V4.8 (distributed with the install CD and available for download on the internet)
- Microsoft Direct3D® capable graphics card.

2.2 Downgrade

Perception V8.54 can be downgraded to the following versions.

Note: When an EtherCAT card is installed, a downgrade to any version before V8.28 must go through version V8.28 first.

- Perception V8.5x
- Perception V8.4x
- Perception V8.3x
- Perception V8.2x
- Perception V8.1x
- Perception V8.0x
- Perception V7.6x
- Perception V7.5x

3 Perception Versions

Version	Description	
	Perception Standard	Free
1-PERC-AD-0x	Perception Advanced	Paid
1-PERC-VA-0x	Perception Viewer Enterprise	Paid
1-PERC-E64-0x	Perception Enterprise	Paid

Perception supports the following application extensions:

Version	Description	
1-PERC-OP-EDR	eDrive application (setup, live and efficiency mapping table)	Paid
1-PERC-OP-STL	Advanced High Voltage/High Power analysis according STL standards	Paid
1-PERC-OP-HIA	High Voltage Impulse Analysis	Paid
1-PERC-OP-CSI	CSI Runtime extensions (Customized Software Interfaces)	Paid

4 Known Issues

Perception settings	Mainframe settings changed via the Fieldbus remote control are not updated in the UI. Reconnecting to the mainframe will show the changes.

5 Improvements

5.1 Support items and requests

Loading existing workbench ends up with incomplete workbench	SUPEPT-299	A problem with connecting to a mainframe specified in a virtual workbench was solved and made more robust.
Recordings got locked up by Perception	SUPEPT-325	When a recording is finished, it is unlocked and can be accessed by other software. Sometimes the recording was not unlocked and this problem is now solved.
Perception crashing when starting to record	SUPEPT-326	Sometimes Perception crashed when starting a recording. This problem is solved.
Multiple mainframe setup crashing after 10 minutes into recording	SUPEPT-327	In a high-load multiple mainframe setup, the system crashed after 10 minutes of recording. This problem is solved.
Split recordings made on mainframe are not complete	SUPEPT-329	With the new split recording functionality, the data in each recording was not complete. This is solved.
Used channel names are incomplete shown	SUPEPT-330	In Perception in the ePower suite, in certain situations the channel name was not completely shown. This is solved.
Perception is crashing when changing requested channel selection	SUPEPT-331	A problem of Perception crashing when changing the requested channel selection is solved.

6 Deprecated support

The following is no longer supported within Perception:

- GPS2750

7 Supported Genesis HighSpeed Mainframes

The following Genesis HighSpeed Mainframes are supported:

- GEN2tB
- GEN3t
- GEN4tB
- GEN7tA
- GEN17tA
- GEN3i
- GEN3iA
- GEN7i
- GEN7iA
- GEN7iB
- GEN7tB
- GEN17tB
- BE3200

8 Supported QuantumX Modules

Note: The support of QuantumX Modules in Perception will stop with future versions of Perception! QuantumX modules can be integrated in systems with tethered mainframes using the CAN-interface together with a QuantumX MX471C.

The following QuantumX models are supported:

- MX1609KB
- MX1609TB
- MX471B
- MX809B
- CX27B as single network access point only, no setup or control of CX27B

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