

RELEASEnotes

Perception & GEN Series firmware V6.42.13287

These release notes are:

Perception:

from V6.30.12297 to V6.42.13287

GEN series firmware:

from V6.30.12297 to V6.42.13287

Firmware release notes are an integral part of the software and these release notes.

Supported/Tested Windows 32 bit versions:

- Windows XP Service Pack 3 (Last version tested)
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate SP1
- Windows 8 Pro

Supported/Tested 64 bit versions:

- Windows XP Service Pack 2 (Last version tested)
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate SP1
- Windows 8 Pro

And Windows Updates until 11th June 2013.

Supported/Tested Genesis High Speed platforms:

- GEN7t
- GEN16t
- GEN5i
- GEN3i
- GEN2i
- LIBERTY4
- LIBERTY8
- ISOBE5600

IMPORTANT: This is the last Perception version that will be actively tested on Windows XP.

All Perception versions require Dot Net Framework V4.0 which will be distributed with the install and is also available for download on the internet.

All Perception versions also require a Microsoft Direct3D® capable graphics card.

LIBERTY is supported in maintenance phase.

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This version is distributed using the following editions:

- 1-PERC-ST Standard Edition
- 1-PERC-E64 Enterprise Edition
- 1-PERC-PRO Professional Edition

The following options are part of this version:

- 1-PERC-OP-MWB Multiple Workbooks
- 1-PERC-OP-MEX Multiple Exports formats
- 1-PERC-OP-MMF Multiple Mainframes
- 1-PERC-OP-AN Analysis (Formula database)
- 1-PERC-OP-RP Reporting & Word Reporting
- 1-PERC-OP-IF SOAP & RPC Interface
- 1-PERC-OP-VP Video Playback
- 1-PERC-OP-CSI-2 CSI Runtime
- 1-PERC-OP-STL Advanced High Voltage/High Power analysis (STL)
- 1-PERC-OP-IS Customized Info sheets
- 1-PERC-OP-HHP HP-HV Automated Analysis
- 1-PERC-OP-BE BE256 / MultiPro Control
- 1-PERC-OP-BFFT Basic FFT
- 1-PERC-OP-HIA HVIA
- 1-PERC-OP-SEQ Sequencer (BE3200)
- 1-PERC-OP-SDB Sensor Management
- 1-PERC-OP-EDR eDrive application (setup) has been added as evaluation version.

IMPORTANT: The following options have been revised:

1-PERC-OP-CSI-2 CSI Runtime

The API available for CSI has been changed and is no longer fully backward compatible. Please refer to the CSI help file for specific details on these changes.

1-PERC-OP-IF SOAP & RPC Interface

The API available for RPC has been changed and is no longer fully backward compatible. Please refer to the RPC help file for specific details on these changes.

When viewing live scoping data of both calculated and non-calculated channels in the same display, sometimes display update problems may occur. If this happens, remove the calculated channels from the display and add again.

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The following features have been added:

Perception:

- 10392 Add voice annotation to Perception and GEN2i UI
- 10601 Perception and GEN2i should display the last sweep automatically
- 10635 eDRIVE project Phase 1: Add eDrive SETUP sheet
- 10682 PTP synchronization (To sync with QuantumX systems)
- 10747 eDRIVE project: Real time MATH generated traces should also generate data for Meters
- 10950 Live meters use a fixed calculation period of 200ms independent from the selected update rate
- 11039 Add Windows 8 testing to RWT cycle
- 11040 Give Windows XP the last time tested status in release notes
- 11096 Add a Barcode field to the Perception Sensor database
- 11112 Add silent mode to Perception for remote users (RPC and automatic testing)
- 11216 Make it possible to override capabilities of channels/recorder/mainframes

GEN Series firmware:

- 10138 Real-Time math definition for 1kV board
- 10943 External Start/Stop support on the Digital Event/Timer/Counter connector
- 11219 Add support for new GEN3i mainframe

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The following improvements have been made:

Perception:

- 10372 GEN2i: Settings table should be split between analog and digital channels
- 10684 eDRIVE project: Raise warning if math on channels with different sample rates is performed
- 10725 eDRIVE project: Timer/Counters need integration of measurement values to prevent peak behavior during engine start on torque/RPM measurements
- 10756 eDRIVE project: Perception should differentiate between small letters and capitals for variables
- 10941 Un-split a display will delete all content in the multi-split areas
- 10958 Formula database improvement: add parsing status feedback
- 11093 GEN2i does not follow OS language properly
- 11095 Add option to Instrument Panel to select UI language
- 11212 Make Perception data source naming case sensitive ==> allows for UPPER and lower case naming in formula's
- 10777 Update Perception manuals with features that are part of 6.30 but are not described yet
- 10987 Manual update: describe all features that are added > version 6.30

GEN Series firmware:

General stability and performance of the GEN Series firmware have been improved.

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The following errors have been fixed:

Perception:

- 8562 User tables: Column width of first column with row numbers not saved
- 9024 Size of comment field in Info sheet not restored
- 10370 Header area property of a display at report automatically reset to true
- 10407 HPHV AA sheet listed in sheet manager although not a valid option
- 10544 Event traces display corrupted when loading recording
- 10683 eDRIVE project Phase 1: Slow response on large file with formulas: non-visible displays should not request data
- 10759 Quickreport without WORD installed does not work without any error message
- 10925 Rounding errors when using bridge wizard
- 10966 Properties of Displays in the report are not saved/recalled
- 10969 eDRIVE project Phase 1: Nm and kNm should be smart units
- 10970 Isobe5600 stops responding when connected using Perception
- 10979 Frequency measurements sometimes negative in uni-directional mode
- 10998 Formula Wizard: navigator does not show digital channels for frequency functions
- 11004 eDRIVE project Phase 1: Binary channels and Counter timer channels can have the same name: then one is lost in the data sources
- 11010 Translation errors: Marker properties in Chinese Perception do not appear
- 11012 Translation errors: Some windows/dialogs/forms are not translated
- 11021 Connecting to mainframe without recorders can cause a crash/dump
- 11029 The report is not updated immediately after a refresh report sheet call from CSI
- 11030 Set active sheet using the RPC interface does not work properly when having multiple workbooks
- 11035 "Save as copy as ..." forgets channels
- 11038 IRIG status not displayed
- 11046 default value of information field is applied wrong
- 11047 Information field on request shows wrong text when text only consists of 2 letters
- 11049 Pulldown for sensor sensitivity in Sensor Database not working correct.
- 11051 Cannot enter certain values for sensitivity in sensor database for current sensors
- 11056 Perception crashes after loading attached VWB and switching to report

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- 11064 GEN2i in Perception mode leaves some "Advanced trigger settings" in place when going to Instrument panel
- 11073 Master/Slave - Instrument Panel Issues
- 11074 Printed Settings of a Dual Mode Experiment don't show Continuous settings
- 11076 Using an IEPE sensor from the sensor database does not work in GENERAL tab of SETTINGS
- 11078 Removing a TEDS from an ACCEL channel sets channel back to BASIC
- 11080 Using a MEMS accelerometer from the sensor database with the bridge amp does not work in GENERAL tab
- 11085 Creating a recording does not always automatically recalculate and display markers
- 11090 Export to FlexPro fails on Windows XP
- 11098 LOAD SETTINGS must only be allowed in IDLE
- 11099 SensorDB: When loading new User Sensor Database, the Timer Counter channels show wrong sensors
- 11100 Sensors: Reloading a VWB in which a channel is connected to a Unique sensor fails
- 11106 Formula result can be inconsistent when creating recording when not calculating on first channel
- 11109 Reset main delay button in Sequencer control option should be removed or at least behavior needs to change
- 11115 Master / Slave status shows incorrect values
- 11116 No updated trace display in the HV-IA sheet, when a Status message is created
- 11132 Displayed value at cursor incorrect for @CycleXXX formulas
- 11135 Continuous Recording Settings not shown in printed settings file
- 11136 Y-value at cursor off-by-1 for async samples
- 11138 DIADEM Export missing header information
- 11141 Pasting special (eg. greek, summation) characters into formula sheet fails
- 11150 Spurious black cells in settings sheet
- 11151 Faulty y-scaling / VW Kassel issue
- 11154 "Oscillating" values at the Y-axis in GEN2i IP when pressing Zero Balance button
- 11157 Sensor Database: Settings not saved correctly; wrong scaling when using a sensor next time
- 11159 unexpected peaks in LIVE display, but not in stored data on GEN2i IP
- 11167 Formula PREVIEW doesn't show OK and CANCEL buttons
- 11179 Accelerometer current setting not remembered when workbench reloaded
- 11181 Pre-trigger time settings is not stored correctly in the VWB

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- 11213 Not possible to display a signal generated by Formula in Perception
- 11238 Smart units problem in native formatter (eg: meters)
- 11223 Decimal separator problem in Info Sheet causing problems when starting Recording
- 11184 Wrong units in pool of display slope cursors
- 11229 On the multi sweep mode, the first trigger is not displayed
- 11221 Changing FFT/XY framesize on live (modify on subscription) causes data to stop displaying.
- 11231 Status column of bridge balance not updated in 6.40
- 11225 64 bits releases of Perception are missing a Flexnet "file"
- 11240 Formula data not displayed after loading VWB and loading recording as active
- 11229 On the multi sweep mode, the first trigger is not displayed
- 11254 GEN3i SanDisk SSD is listed as 50MB maximum speed instead of 200MB

GEN Series firmware:

- 10972 Conditional Start/Stop sometimes fails because of communication timeouts.
- 11008 GN611 (200kS/s 1kV board) requires 18 bit mode and timer counter support
- 11009 Support the overload thermocouple measurements on the GN610 and GN611 (1kV boards)
- 11037 Recorded data corrupted of HViso2M recorder module when large Live FFT subscriptions are active
- 11089 Embedded software crash GEN16t with 64 channels
- 11092 Review the current implementation of Zero-Balancing of the Bridge Card
- 11113 Master / Slave shows "No signal" for slave
- 11114 Sync source not set to default when master/slave mode is set to Master
- 11125 After a reboot of a system the start time of recordings made with different recorders sometimes show different start times.
- 11172 AcqHViso2M digital filter issues
- 11187 Random problems with Im2 upgrades/downgrades, leaving the board in a "Minimum Mode" state.
- 11194 "Hardware not found" when having mixed-versions 1kV or 32-channel boards in GEN2i

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HBM GmbH

www.hbm.com

Email: info@hbm.com

Tel. +49 6151 803-0

Fax +49 6151 803-9100

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