

RELEASEnotes

Perception & GEN Series firmware V6.30.12335

These release notes are:

Perception:

from V6.20.12083 to V6.30.12335

GEN series firmware:

from V6.20.12083 to V6.30.12335

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
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate SP1
- Windows 8 Pro

And Windows Updates until 11th September 2012.

Supported/Tested 64 bit versions:

- Windows XP Service Pack 2
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate SP1
- Windows 8 Pro

And Windows Updates until 11th September 2012.

Supported/Tested Genesis High Speed platforms:

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

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
- 1-PERC-OP-SDB Sensor Management

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.

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The following features have been added:

Perception:

- 9492 Information sheet: reset required field on start of recording
- 10070 Calibration Information Availability within Data Sources
- 10197 Gen2i: Add „Comment“ field for GEN2i - UI
- 10203 Add preference entry to start Perception in Instrument GUI
- 10264 GEN2i UI: Add "record for n seconds after start" feature in continuous mode
- 10348 Make Y-annotation per tick in Yt display available as a display option in instrument panel mode
- 10388 GEN2i: Enable "Group/Ungroup cursor"
- 10423 Recorder / Time base grouping
- 10466 Add Sensor Database option to Perception
- 10481 GEN2i IP needs Balance button
- 10528 Hardware diagnostics sheet
- 10531 Add "Zero Button" to Perception and GEN2i user interface
- 10577 eDRIVE project: Counter / Timer channels meters show always an actual value
- 10637 Add import of plain ASCII and ASCII CSV datasets
- 10669 Add formula function wizard
- 10678 Read pVWB with the PNRF Reader
- 10722 Allow up to 1000 lines within a user table
- 10723 Allow partial reporting of user tables
- 10961 Qualify Perception on Windows 8
- 10965 Add CycleMath functions to formula database
- 11053 Make wideband filter option of 1kV board 200kS/s mode available for calibration software only

GEN Series firmware:

- 10444 Improve continuous recording behavior for 20MS/s, 25MS/s, 200kS/s and 20kS/s boards
- 10456 Need support for the 4GB SODIMM on the 250kS/s, 25MS/s and 100MS/s boards
- 10569 eDRIVE project: Add 2nd Counter / Timer to 32 ch board Dig I/O
- 10587 Exceeding System temperatures should send warning messages to Perception
- 10667 Add iSCSI option to Gen Series IM2
- 10668 Add a 10G bit Ethernet support for IM2
- 10698 Support TEDS on IEPE sensors for 1-GN3210-2 and 1-GN1610-2
- 10699 Add Elliptic filters to 1-GN3210-2, 1-GN3211-2, 1-GN3210-2 and 1-GN1611-2 (Includes Band pass option)

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The following improvements have been made:

Perception:

- 10056 Change Extension Choice for Team Data File import
- 10058 GEN2i REPORT hardcopy improvement: Print Meter range
- 10059 GEN2i REPORT hardcopy improvement: Print title for CURSOR
- 10315 TC color code should have a preference for ANSI vs IEC
- 10373 Perception Control panel should limit sample rate to slowest board
- 10408 Perception 64 bit can be installed without 64 bit option
- 10434 Can't have the word "a" in a comment
- 10440 Print settings by default should have all settings on
- 10482 GEN2i Instrument Panel should support foreign languages: German, French, Chinese, Japanese
- 10532 Improve the text of the German message when maintenance is expired
- 10559 GEN2i: Display all data at end of recording option not remembered as part of setup
- 10560 Channel/Recorder enable setting requires 3 clicks in settings sheet
- 10679 Show Technical Unit Multiplier, Technical Unit Offset and Technical Unit only in the "Input" Settings
- 10687 Data loss during "experiment copy" process
- 10707 eDRIVE project: RPM and rpm should be smart units
- 10719 eDRIVE project: Set FFT display to AUTO y-Axis at default
- 10732 Duplicate "Type" column being in Settings - General - Analog Channel also in Settings - General - Mainframe
- 10733 Add "Nominal input capacitance" to advanced analog channel settings
- 10742 Replace single shot functionality with normal start recording.
- 10743 RPC: Single shot command no longer available
- 10861 Improve tooltips for new sensors
- 10862 Sensor database has empty toolbar
- 10873 Data Sources Window is slow when many data source change events happen
- 10779 Integrate online help for FFT

GEN Series firmware:

- 10588 Label internal network connection on GEN2i and GEN5i

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The following errors have been fixed:

Perception:

- 7421 Fiber warming up status and Master/Slave status not always up to date.
- 9530 Typo in descriptive text of @IntLookup12 in Formula database
- 9598 Problems with display markers when restoring a display
- 9905 GEN2i: Printing a report lacks grid if enabled in display
- 9940 Touch screen Display remains in Review Sweep mode after load a stored recording on the GEN 2i
- 10217 GEN2i IP channel list of meters can overflow
- 10221 Connect to Sequencer and start sequence produces Error code11
- 10331 FFT slope cursor jumps to start of data if number of lines is changed
- 10395 With absolute time mode in display, no data shown when recording is loaded
- 10397 Add STATSREAM trademark remark to software
- 10490 Display shows incorrect local time when DST has switched
- 10497 RealTek network driver results in data integrity and other problems on GEN2i
- 10502 SAVE A COPY AS does not save embedded video
- 10503 dY/dT trigger: Level settings are not per second but per selected delta time window.
- 10506 Save a Copy As doesn't save hardware settings
- 10509 cannot load example video file
- 10512 GEN 2i cant reboot completely after power failure when maintenance message appears
- 10514 GEN2i: Grid On / Off should be OFF as Factory Defaults
- 10537 Digitizer settings in the HV-IA GUI are not fully visible
- 10543 Loading a recording does not automatically recalculate and display markers
- 10546 Perception crashes when printing settings to PDF file which is in use
- 10566 GEN2i: strange display setting and wrong scaling after electrical power failure
- 10568 FlexPRO export DLL's create version conflict with Flexpro V8 and higher
- 10570 Incorrectly saved 16t offline configurations allow only 7 recorders to be enabled after loading
- 10571 VWB not loaded correctly if channel has amplifier mode other than Basic
- 10597 Cursor jumps to begin of recording when moving cursor into Zoom window after end of recording

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- 10602 Mainframe over temperature alert looks funny
- 10612 HVIA Date and time per test are not restored
- 10615 Prevent the start of software update in the GEN2i UI when system is out of maintenance
- 10618 FFT frame size is accepted wrong - two times too big
- 10626 Terminal shutdown should be Thermal shutdown
- 10629 Hic uncertainty too large according to BIVV
- 10630 FFT Display : Stability improvements required
- 10639 1st Trigger missing from recording review
- 10640 HVIA when changing comment this modification is not stored into collection
- 10644 GEN2i Compact Flash is visible as drive after restoring image
- 10647 Perception Report auto setup does not work (any longer) with GEN2i
- 10650 When IM2 FPGA image is corrupt, upgrades will fail due to double upgrade requirement ignored by Perception
- 10655 Trigger hysteresis settings is missing in Instrument Panel GUI
- 10659 Circular buffer time reverts to previous value unless recording is started from the Control Panel
- 10660 Wrong file listed as Active Recording in the lower right hand corner of Perception
- 10686 GEN2i UI: Settings table "Copy" and "Copy to" do not copy all relevant info to destination channels
- 10693 No traces in report display
- 10709 Formula database offline filter still create artifacts on long waveform
- 10724 FFT Display freezes after accessing the display setup pages
- 10728 Unclear Install selection when using CUSTOM INSTALL
- 10731 STLEXPrestDC provides wrong results
- 10746 Y-anno per tick: Not always properly updated
- 10749 Live time display, FFT display and X/Y display can cause memory leak
- 10750 eDRIVE project: Optional parameters in the formulas are NOT optional
- 10757 GEN2i: Delete and Load dialogs do not show recording names if too long
- 10778 PNRF file's time/date stamp changes to current day after reviewing file
- 10784 Licensing: not possible to create a 'professional Perception', similar to current enterprise, but without 64-

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bits option

- 10796 Bridge balance display page goes black everytime the gauges are balanced
- 10800 Gen2i optical network port has none editable network settings in Perception
- 10801 GEN2i : When Acquisition hardware is used by another mainframe, the Perception software waits to be able to connect to this hardware
- 10802 External connection to GEN2i is forced and not de-selectable
- 10806 Spreadsheet: Move the 2 output settings of the event connectors to advanced settings.
- 10807 Settings sheet: Timer/Counters selection in Trigger and Alarm setup section
- 10843 Access violations caused by messages while destroying engine or driver objects
- 10844 Frame rate of video file not stored if changed
- 10863 GEN2i Instrument Panel - Min / Max and Pk2PK value does not show expected values
- 10908 'GetDiskInfo' sometimes returns info that suggests we are out of disk space while we are not. Workaround needed
- 10926 GEN2i Instrument Panel - Min / Max and Pk2PK value does not show values as described in the manual
- 10946 Meters: limit option, color settings are not possible
- 11010 Translation errors: Marker properties in Chinese Perception do not appear
- 11021 Connecting to mainframe without recorders can cause a crash/dump
- 10979 Frequency measurements sometimes negative in uni-directional mode
- 11038 IRIG status not displayed
- 11035 "Save as copy as ..." forgets channels

GEN Series firmware:

- 10515 Generate notification when backplane version is inconsistent
- 10563 Unwanted range clipping in setting sheet
- 10575 32 ch board filter selection shows SIGMA DELTA FILTER, should be SIGMA DELTA WIDEBAND instead
- 10576 Upper lower values of Bridge channel are calculated using an Offset, which they don't have
- 10613 Continuous - Stop on Trigger settings allows "lead out" to be larger than "length"
- 10628 IM2 will not recover after perception crash.
- 10641 Selecting DHCP on IM2 doesn't update IPMASK

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- 10741 100MS/s fiber receiver modules doesn't start-up correctly
- 10780 Unexpected Firmware Upgrade
- 10799 Gen Series crash when using fixed IP address settings
- 10833 Live FFT can causes ESW crash
- 10911 GEN Series will not boot when only optical cable is connected
- 110008 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)

Additionally a fix was added to prevent artifacts in live FFT data that sometimes occurred when using FFT displays in combination with the new 1kV board.

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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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