

RELEASEnotes

Perception & GEN Series firmware V6.20.12083

These release notes are:

Perception:

from V6.18.11147 to V6.20.12083

GEN series firmware:

from V6.18.11147 to V6.20.12083

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

And Windows Updates until 8th November 2011.

Supported/Tested 64 bit versions:

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

And Windows Updates until 8th November 2011.

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 now also require a Microsoft Direct3D® capable graphics card.

LIBERTY is supported in maintenance phase.

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The following options are part of this version:

- 826-026300 Multiple Workbooks
- 826-026200 Multiple Exports formats
- 826-026900 Multiple Mainframes
- 826-026600 Analysis (Formula database)
- 826-026700 Reporting & Word Reporting
- 826-027300 SOAP & RPC Interface
- 826-027400 Video Playback
- 826-032500 CSI Runtime
- 826-032700 Advanced High Voltage/High Power analysis (STL)
- 826-033600 Customized Info sheets
- 826-034400 HP-HV Automated Analysis
- 826-034900 BE256 / MultiPro Control
- 826-026800 Basic FFT
- 826-036300 Enterprise Edition
- 826-035500 HVIA
- 826-033000 Sequencer

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The following features have been added:

Perception:

- 8921 Allow VIDEO File to be stored in PNRF
- 9756 Allow traces to be dragged and dropped to other/new panes and pages
- 10185 Add SYNCHRONIZED START / STOP / TIMEBASE / TRIGGER synching for multiple GEN2i systems.
- 10193 Add the new interface board to the offline configurator
- 10283 New formulas for Relative Time to Local or UTC to be used for extended cursor
- 10301 Display setup enhancements
- 10343 Add "annotation per tick" option to time domain display
- 10404 Allow TrueRMS calculation with another channel being the reference
- 10417 Increase trigger limit to 200.000
- 10419 Add method to RPC to retrieve values which are also visible in meters
- 10437 Add suspend and pause event markers to display event bar

GEN Series firmware:

- 10483 Support for new interface 2 module (IM2)
- 10068 GEN 7t and 16t: Display in front-panel control the presences of local storage device.

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The following improvements have been made:

Perception:

Improved storage performance of circular continuous recording

3907 Zooming in to sample level is not always possible

8571 Free Float Marker is not longer accessible if Label is hidden

9721 Unable to use drag drop in the display to create a new stacked layout, only overlay is currently supported.

9910 Changing Internal shunt cal resistor value should update Target Deflection, but does not

9912 Flaw in Bridge Wizard when doing shunt cal

10162 GEN2i: Different or new Acquisition boards or disabled when first used.

10165 Add Frame handles in the Y-t display for the FFT and X-Y frame when the frame is not visible.

10307 GEN2i allows starting a recording beyond disc throughput limit

10308 Load Defaults does not work correct in GEN2i for newly added board

10365 Make backplane version and backplane-version-dependent features visible in Perception.

10384 FlexNet agent still running when updating Perception and also causes install to run at first start of Perception

10471 Change icon in continuous pre disk recording

GEN Series firmware:

Major improvement to IRIG synchronization stability

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The following errors have been fixed:

Perception:

- 9048 Show all markers does not function correctly
- 9417 Bridge Wizard micrometer per meter not identical to microstrain
- 10087 Can not enter the 'μ'-sign with a German keyboard
- 10093 Export to Diadem has rounding errors in Time Column
- 10116 Display scaling in Live view for charge amplifier 32chn HiRes module
- 10166 Improvement of the Property setting of the X-Y-Display
- 10222 replay of data can't be stopped in Win7 when x range marker is tied to zoom view position
- 10242 Office 2010 (Click to Run install) does not work with Perception
- 10263 Perception crashes when a trigger occurs when connected to a slave only system
- 10272 Info sheet values not loaded correctly when using comma as decimal symbol
- 10273 Perception Report printout shows values twice
- 10274 Lock instrument function is not available (disabled)
- 10279 Zoom and Alt Zoom don't show data
- 10280 PLAY FW and PLAY BACK buttons do not work in GEN2i UI with ZOOM
- 10284 Perception Enterprise can't be started in Viewer mode
- 10285 Ramp function uses wrong start of data
- 10288 Perception Instrument Panel starts with white screen after previous session crashed
- 10289 Perception won't stop
- 10294 Perception 6.18 Display Problem - Zoom in on FreqF calculated waveform in trough and zoomed area is blank
- 10295 Cursor values in Cursorwindow are invalid when used on swept recording.
- 10296 Merging standalone master/slave recordings doesn't work
- 10297 Duplicate network message should only be shown when problem is detected
- 10298 GEN2i: Master / Slave settings should be added to GEN2i user interface
- 10299 Problem adding trace marker when having two recordings in review sweep mode
- 10302 Property function for trace markers is not available in Chinese Perception/OS

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- 10303 Load a BE3200 sequence setup file in the Chinese interface doesn't work
- 10304 Fiber Status disappears when re-load a VWB that had it stored in before
- 10305 GEN2i: two recorders might use different sweep lengths in continuous modes
- 10306 Missing traces in zoom window and strange cursor effects
- 10310 Frame Cursor is locked to mouse pointer
- 10316 GEN2i UI should limit sample rate to slower board
- 10317 Disk Performance test crashes when selected storage location is root of OS drive
- 10322 Slope Cursor Marker not working
- 10323 No way to delete a slope marker
- 10325 traces of nrf file not shown in Free Viewer when Active sheet was set to "don't show" in the sheet manager of licensed Perception on the same PC
- 10328 GEN2i does not load last settings correctly
- 10344 GEN2i: Number Sweeps set to 1 after restart because of a power failure
- 10353 HVIA Collections fails to load and results in nearly empty sheet
- 10357 Gage resistance value is wrong in settings table, internally the correct value is known
- 10358 Inconsistent naming of bridge factor
- 10359 Scaling and Calibration inputs should allow 5 digits to be entered
- 10362 Data duplicated when saving longer data segments
- 10364 Scaling problem of a display at a report
- 10368 Scaling problem XY-Display
- 10369 Problem XY-Display and grid settings when using at Report
- 10375 Perception hangs while starting application when storage location incorrect
- 10378 Problem Y-Annotation Display when unit is km/h
- 10379 Cursor reading Integrate() formula goes wrong when multiplier is used
- 10380 Starttime of data returned by Integrate function is incorrect
- 10381 GEN2i: CH A1 displayed multiple times after entering large sweep length
- 10393 Trigger status message not updated with long sweeps after trigger
- 10409 Scan for mainframes sometimes doesn't work or results in duplicate names

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- 10415 Review while recording shows spikes in data which are gone when refreshing display
- 10420 GEN2i sometimes shows calibration date for boards incorrectly.
- 10427 Tolerance testing (Up/Ut) in HV-IA fails for negative impulses
- 10429 Perception 6.18.11147 crashes/exits every time the Pulse Calculator button is used on trend Vrms calculated data in the "recording097.pnrf" file
- 10436 Continuous data rate shows OMB/s even when in continuous mode
- 10439 Loading Offline Config out of attached pVWB crashes offline config
- 10441 Technical unit multiplier should be added to Timer/Counter amplifier grid
- 10451 Integer rounding problem of data sources
- 10452 Autoscale x-axis fails in HV-IA for some negative waveshapes
- 10453 Comma and decimal point issue with HV-IA on a Gen2i with country settings Italian
- 10462 Incorrect values in cursor datasources when active trace contains no datasource
- 10463 Export - Waiting to Compete Export message remains - even after export has finished
- 10476 Formula database function MEAN gives incorrect results on a @TrueRMS and @FilterBessel
- 10477 Export: Exporting zoomed segment for sweep display not enabled.
- 9964 Perception + ISOBE5600m display setup colors
- 10529 Sweeps from ISOBE5600 are not stored in the 64bit version of Perception
- 10536 GEN2i: zooming back does not work after zooming
- 10538 Memory leak when Perception is connected to ISOBE5600m
- 9827 IIF function doesn't work when a formula is used as the parameter
- 10537 Digitizer settings in the HV-IA GUI are not fully visible
- 10541 Size of event traces not stored in workbench
- 10557 Calculated results are 1-2 sweeps behind via a batch/display processed saved or printed report
- 10558 TrueRMS Plot shift - Start of Recording versus UTC Time
- 10561 Cut function creates data source with wrong start time when source signal is from DualRate recording
- 10562 When requesting more samples than available in a data source's segment, the request

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may return more samples than the segment length

- 10573 HVIA Span shows too many selectable values when using a ISOBE5600m
- 10589 Perception crash occurs when exiting application on GEN2i
- 10590 Inconsistent results when calculating maximum and retrieving value at position of maximum when using filters
- 10595 Trigger direction and level cannot be set when using trigger qualifiers
- 10596 Goto previous trigger in Goto dialog doesn't work correct in absolute time
- 10606 Min and Max does not work on digital data
- 10611 When connection with mainframe is lost during recording, StatStream data is not used when loading that recording

GEN Series firmware:

- 10122 Wrong recorder naming convention and channel failure
- 10161 Firmware 6.14 does not boot in minimum mode with JTAG version firmware of AcqMod1M
- 10281 Using GEN2i UI software does stop working when you switch from Y-t to X-Y-Display
- 10290 Live FFT for 16/32chn ACCEL card doesn't show correct for low sample rates
- 10335 Time of first sample incorrect when master/slave is synchronizing at start of recording
- 10385 IM2: GPS/IRIG immediately returns status Synchronized
- 10414 Mainframe hangs after while when local display shows sub menu info
- 10421 100MS/s Acquisition module scan have some acquisition memory bit errors under extreme conditions
- 10433 Digital I/O in properties window should reflect backplane and acquisition boards present
- 10442 Continuous history should be changed to 5M seconds
- 10458 AcqM250k - Acquisition module scan have some acquisition memory bit errors under extreme conditions
- 10554 VWB not loaded correctly if channel has amplifier mode other than Basic
- 10555 Front panel buttons on GEN5i don't function when an IM2 is installed

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- 10556 Switching from auto-IP to fixed IP crashes im2 application
- 10507 StatStream data corrupted with long sweep lengths of high speed modules
- 10599 IM2 crash in a full 16t mainframe, with 3 or more 32-channel boards.

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