Version History

HALion 3

3.2.1

Improvements

- Improved speed of loading lots of Samples, Programs and Banks with better memory management:
    - less memory move (less reallocation)
    - change double volume to float volume

Fixes

- 3.2 requested more memory when sample with loop and start loop equals start offset
- The loading time of HALion has been reduced when HALion is instantiated
- OSX: loading projects created with previous HALion AU versions would fail. Fixed.

3.2.0

New Features

- Standalone version:
    - New Preferences Dialog
    - Multiple physical output assignment support
    - Improved Rewire support
    - New MIDI Reset button (Panic)

- Browser Page:
    - Removed Browser ability to delete disk files via key command.
    - Added in Command Menu on folder or fxp the option to convert HALion XML files to FXP Files. This allows 3rd parties to convert xml files (which are created by their special tools or by copy paste in clipboard of HALion) to fxp files.

- Options Page:
    - MIDI program changes can be optionally ignored
    - HALion now features ultra low preload time (down to 0,1 sec) and consumes less memory for same amount of samples.
    - New Mixdown mode for export (when not provided by Host, like in Logic).

- Various:
    - Now it is possible to mute several samples at once.
    - Quick Control: Introduce folder-mute as a possible target.
    - Global Page: added an additional offset volume per fxp
    - FXP program files are compressed now for allowing smaller file sizes

Fixes

- Standalone version:
  - MIDI input preferences were lost after re-loading standalone of HALion 3.1

- Options Page:
  - Better memory handling when changing preload time
  - Fixed text and help-menu for Voice Buffers
- Browser Page:
  - Draggable dividers in browser could forget their positions
  - The Mouse wheel sensitivity were wrong
  - Assigning categories to FXPs within FXBs could lead to a crash
  - AKAI import created sample filename with space at the end, which could lead to problems
  - Giga import did hide all folders apart from the first one
  - The actual files that are listed in the browser window now won't change their position anymore
  - Leaving the detachable Browser opened and closing HALion could lead to a crash. Fixed

- Various:
  - Archive: wanted unload (RAMSAve) state isn't saved anymore in an Archive
  - The mapping window while doing an Import or drag and drop of Samples to the Programlist didn't respond to "OK" from the keyboard
  - The Keyboards default position shifted incorrectly one octave right, now it defaults to C3
  - Fixed a DC offset problem which could lead up to 300db output peaks after long usage time
  - Fixed further conditions in which hanging MIDI notes could occur
  - After unloading the SendFX effects a freeze could occur
  - Selecting Envelope points with Left/Right Arrow fails to display data
  - CC66 Sostenuto could cause a crash
  - Auto-naming of file failed always on first time
  - Fixed redraw problems with the mouse-menu when dragging instruments to Program list
  - The "Always Preload" state weren't copied correctly
  - Global Page: The green MIDI Slot lights didn't work as described in the Manual
  - Keyzone Page: the MIDI level were wrong and showed 128 when it was 127 really
  - Sound Page: Fixed a Bug which could occur when selecting the 12db Filter
  - When saving fxp file with the right-click menu (OSX: strg+click) the auto naming of the file works correctly now
  - Selecting Envelope points with Left/Right Arrow now displays the correct data
  - Incremental loading of Modulation presets works correct now and won´t overwrite existing amount value
  - OSX: a crash could occur if you closed Cubase SX. Fixed.
  - OSX: multiple opened projects in Cubase SX using HALion instances could lead to a crash. Fixed.
  - OSX: a crash of Cubase SX could occur if HALion were searching for samples. Fixed.
  - OSX: better AU support in general

- OSX: sometimes the AU plugin could loose disk-streaming ability. Fixed.
- OSX: If always on top wasn't activated, the Clear all Command could fail if used on any other HALion instance than the first one
- DXi: Sample selection didn't work correctly

3.1.0

New Features

- Q-Controls: adds 8 macro controls that can be assigned to almost any HALion parameter (including HALion FX parameters). Usually Q-Controls are located on the Macro Page but they can be opened in a detached window from the Sound page/ Modulation view also. Q-controls can be remote controlled via MIDI -> setup on Options Page -> Controller List.

- Standalone:
  - Added a Global Tempo/Signature edit field
  - Added Load/Save of Program and bank
  - Standalone application can act as Rewire compatible slave application

- HSB Format:
  - Optimized for playback performance
  - Category indexation is cached now
  - Support of files bigger than 2GB
  - Icons available
  - Display Decide-Box when writing a HSB-File with Samples of another HSB-File
  - Display Decide-Box before overwriting a HSB-File
  - Samples and fxp files inside HSB files can be updated by placing the new files with same name and folder structure on the same level in the file-system like the HSB file, see manual for details.

- Browser Page:
  - The "HALion Content" view in the Browser can now be switched to "Show categories" for displaying all installed HSB Content sorted by Category.
  - Autobrowse has better user feedback now
  - Autobrowse toggle on/off: three additional Quick Favourite Locations are available in Auto Browse Mode
  - Add Repair Fxp Files: fixes import problems with OS9 created fxps and assign a new sample path for missing samples
  - Added a play button on the separate browser window of HALion
  - Added a Key command for browser import button
  - Multi selection of fxps in the left column is now allowed
  - HALion content folder is now visible in Autobrowse mode, too.
  - Updated category list

- Keyzone Page:
  - Added Lock button in Keyzone editor
  - Added Context menu: add Load all samples

- o Added Context menu: add Unload all samples
- o Added Sample Mapping by extracting note number in filename
- o Improved info text while moving mouse on keyzone
- o Added Key Command (default P) to Play selected Sample
- o Added folder per sample
- o Added clear a key via Context Menu on the virtual keyboard

- Loop Page:
  - o Sample range draggable
  - o Sample range fixed or slide relative to sample start

- Program List View
  - o Added numeration of the program list on the Global Slots
  - o Better handling of Drag&Drop from Browser (merge or replace mode)
  - o Added 'Unload'/'Load' for all selected samples

- Options Page:
  - o Added PAN as a MIDI CC destination
  - o Added learn mode for MIDI CC
  - o Added Volume Sensitivity parameter
  - o Added Memory meter (for Virtual and Physical)
  - o Added advanced disk-streaming mode on Options page for optimal stream performance (on by default). In case you encounter any problems with disk-streaming try disabling advanced mode.

- Various:
  - o Added Sustain pedal info under the trackball
  - o Added message to search for Samples with extension swapping
  - o Added "Search and Replace" characters in Filenames
  - o Added logical rules for Megatrig
  - o *.fxb files are compressed now, this should also lead to smaller Project File sizes

Improvements

- Better Kurzweil / AKAI / EMU Import (release loop, special CD format,etc.)
- Dragging samples will move root-key, too (doesn't need modifiers)
- Alternate has a Start and a Stop function
- Alternate has better naming of new Step
- better CPU performance

Fixes

- Standalone
  - o Fixed problems with some ASIO card (MI4, TASCAM FW-1884)
  - o Better ASIO support
  - o Now quits from CTRL-Q, not only from Alt F4.
  - o Fixed long closing times
  - o PC Setup now installs ASIO full duplex, DirectX + MME driver

- Browser Page

- o Drop folder into window for programs could lead to a crash in Cubase SX
- o Rex2 and zgr files were loaded in "unloaded" state
- o Import Giga, Roland or EXS format didn't activate continuous mode for release loop
- o In the Browser, assigning an *.fxp file to some categories produced strange behaviour

- FX
  - o Drop folder into window for programs could lead to a crash in Cubase
  - o Inserts were not working in Drum-mode
  - o Fixed FX audio-crackling
  - o Autopan/Tremolo: Phase Fader now has functionality
- Global Page
  - o Volume error could occur between -5 and -7 dB
  - o Volume now adjustable in 0.1 steps
  - o Solo Status were saved only for one channel
  - o A Crash could occur if transpose was used in its full range
  - o Fixed audio-crackles when more than 1 slots used the same program
  - o If a Slot (Program) output was changed the FX-prog. output didn't change, too.

- OSX specific
  - o File and directory names with Japanese characters weren't read by browser
  - o HALion didn't redraw properly in Cubase SX/SL/SE 1.x
  - o Removing a HALion instance could crash SX 2
  - o Several Performance problems fixed
  - o AU version had a Graphic incapability with DP 4.12 and 4.5 Hosts
  - o Standalone wasn't able to change the ASIO Device
  - o HALion standalone could lock up after drag and drop from desktop
  - o AU version (OSX):
    - ▪ Full Multi-Out functionality enabled
    - ▪ Graphical issues fixed
    - ▪ Crashes with some hosts fixed
- Various:
  - o Loading an instrument from the Program menu top bar could lead to a crash if a subfolder was selected in Program list
  - o Relative editing did not work for envelope parameters like attack time
  - o Adjusting the "loop points" in an ENVELOPE for all selected Samples now works as expected.
  - o Improved Tempo Sync with note-offs in DXi version
  - o Mod Wheel as Modulation source and Volume as target didn't work properly (crossfades)
  - o Key activates sample leads to a shivery and changing mouse cursor
  - o Mod presets didn't recall CC when Shift was used
  - o Fixed some graphical issue for Japanese version
  - o Crackles could occur when switching between HALion pages
  - o Relative edit failed with mouse wheel

- Fixed Hanging notes in some configuration with overlap/pedal Sustain Note: to avoid note-hanging in Cubase you need to activate the Option "Reset on Stop". There are still some very rare conditions left in Cubase versions that may lead to note-hanging; these will be fixed in future Updates in these versions
- Using Max Channel settings (64 stereo, 64 mono, 12 5.1) could lead to a crash
- Alternate: using directly key switch now set the correct step
- Copy/Paste didn't include the enclosing folder
- Selecting Samples in Keyzone or with Virtual Keyboard didn't update envelope view
- Fixed DC offset in some context
- Moving sample in the program List View to location out of view wasn't possible

3.0.1

New Features

- Caching category of fxp files
- HSB Content: added "Remove from HALion Content" right-click command
- Added 2 new User-Categories "Favourites" (3 before, total now 5)
- User-Categories "Favourites 1-5" can now be renamed by keeping Ctrl pressed when selecting.
- Added "Save Bank…" in Global Archive menu
- More practical numerical changes with mouse wheel for text edit

Fixes

- RAMsave: when loading fxp, fxb or a Project samples are loaded in unloaded state
- Fixed: FX Send didn't "send" until it is moved
- Installer can now register HALion3 as DXi (optional) in non CD-ROM version / Updates
- Browser now moves deleted files to trash
- When multiple Samples are dragged to virtual keyboard the root key is set correctly now.
- HSB: Fixed a Bug that could lead to a crash due to playing HSB Content while loading other HSB Content.
- Fixed no indication of muted folders
- Fixed not being able to cut a program with folders and then paste
- Fixed various Autobrowse bugs
- Creating new Folder in Program list is now correct when there is already a folder
- Sample import now acknowledge names containing "-" (minus)
- Improved Roland disc conversion speed
- Improved Kurzweil Import (Disc Detection, Multisample support, Layer transpose, Loop)
- Some Kurzweil CDs could lead to a crash. Fixed.
- Fixed looping problems when using set B of the loop
- Fixed a problem where CC10 could mute sounding notes
- Autopan / Tremolo FX: The Phase Fader now works as intended
- Tape Delay FX: Added scrollbar to access last 2 parameters
- DCA Bypass now works like in HALion 2.x
- Cursor keys now works in Browser View

- Fixed several graphical issues on Mac & PC
- Fixed a possible crash while loading a 2nd project in Cubase / Nuendo
- Reload of Samples to RAM if programs are moved outside of Global 16 didn't work correctly. Fixed.
- Fixed a crash with Ableton Live 4 during HALion initializing. Remark: currently HALion doesn't recall it's settings in Live 4. This will be fixed in an upcoming Live update and is not a HALion issue.
- Loading "HALion 2 fxps or Projects that used HALion 2 could lead to HALion not finding Samples immediately. Fixed.
- Standalone version didn't support Wheel. Fixed.
- Optimized selecting and renaming Folders.
- OSX: Samples were sometimes not found. Fixed.
- OSX: Reduced Drawing in Keyzone when selecting samples with the
- OSX: crashes on Japanese OS fixed
- OSX: fixed crashes when loading a bank file without extension
- OSX: the "Do not show this message again" checkbox is working now
- Long close times for unembedded fxps extremely reduced by code optimizations.
- Mac: Fixed a crash when deleting a few samples out of a huge amount of samples.
- Fixed a crash when multiple instances of HALion3 were loaded with 256 voice buffers.
- HALion 3 caused Cubase SX 2 to not retain "can hide" status in the mixer for HALion 2 channels. Fixed.
- Mac: Installer trashing disk permissions for many folders. Fixed.
- PC: Pressing "Abort" during AKAI CD import seemed HALion 3 to freeze for a while. Fixed.
- Browser not clearing last state after re-instantiation or re-launch of the host application when the browsing target did not exist any more. Fixed.
- Fixed the browser alert *"Samples not found"* although samples were there and a new search did find the samples.
- Mac: Auto map to program FX was not working. Fixed.
- Mac: At high zoom-resolution the sample-names were not be displayed vertically. Fixed.
- Mac: The loop display on the loop page was not updated when "Clear all" was executed. Fixed.
- When the keyboard was zoomed-in to its maximum the click range of black keys was a few pixels too far left. Fixed.
- Removing content files from the content list was not possible. Fixed.
- Assigned key commands for solo, and mute in programs list did not work. Fixed.
- HALion 3 multiple 'Copy loop to release loop' failed. Fixed.
- Feeling when turning knobs improved.
- Using the mouse to change numerical fields improved.
- Loading Bösendorfer fxp lead to crashes. Fixed.
- Mac: 'Enable controller in release' option from sound-page → mode had no function. Fixed.
- Mac: In the HALion3 standalone application the key commands were broken. Fixed.
- When Importing HALion 2 programs into HALion 3 balanced volume was not imported properly. Fixed.
- Mac: CPU Overload when switching pages while playing has been fixed.

- Switching Programs in the program list did redraw too often the other views. Fixed.
- Mac: Crash after loading a .hsb bank.
- Autopan/Tremolo: Shape parameter can now be edited properly.
- HALion stand-alone version: ASIO drive audio pair channel select was not possible. Fixed.
- Can't control Mod-Ball by keyboard Mod-Wheel. Fixed.
- Crash or freeze when exiting Cubase SX 2 after inserting eight HALion3s. Fixed.
- PC: *"Offset"* amount cut off on sound page on Japanese Windows. Fixed.
- PC: *"Peak of allocated Voice"*, *"Reset All 'Don't ask again' Message..."* and *"Full Quality during Export (Mixdown)"* were cut off on Japanese Windows. Fixed.
- Archive/Save Program did not save the samples in subfolders. Fixed.
- Mac: Type search item into browser search lead sometimes to a crash in Nuendo. Fixed.
- Mac: HALion 3 crashed host on *'Revert to saved'* or project close. Fixed.
- Mouse wheel failed in browser unless it was used elsewhere first. Fixed.
- Macro page failed to show parameters until the program selection was reconfirmed. Fixed.
- Trouble selecting the correct folder on certain circumstances. Fixed.
- Keyzone view: Keyboard to delete folders often didn't seem to work. Fixed.
- Changing output configuration created a softsynth track. Fixed.
- Key commands were not saved with standalone version. Fixed.
- Logic Audio + AudioUnit and HALion3 plus QuickTime lead to a crash. Fixed.
- Up/down arrow keys did not deselect all other samples. Fixed.
- PC: HALion stand alone version stops receiving MIDI after buffer size change. Fixed.
- Mac: AudioUnit parameter typing via keyboard was not working. Fixed.
- HALion3 cannot reconcile samples loaded into slots which are not assigned to global at time of loading. Fixed.
- Live 4 didn't save HALion setting (bank). Fixed.
- Presets sometimes loading out of tune when running at 48 kHz. Fixed.
- Problem with chromatic drag and drop mapping fixed.

Issues and Solutions

- Mac: Stop the playback before loading a HSB-File otherwise the warning *"File is corrupt"* may appear.

- Mac Audio Unit Host: The HALion GUI is not shown completely if you open a song which has HALion loaded and opened. Solution: Close the HALion windows and open it again; the graphical artefacts disappear.

- Mac Audio Unit Host: HALion 3 does not work properly with Logic 5.5.1. Solution: Use Logic 7.x

- PC HALion 3 stand alone version: HALion stops receiving MIDI after changing the buffer size in device control panels. First solution: Restart the stand alone version of HALion 3 after changing the buffer size in device control panels. Second solution: Use HALion 3 with another host.

- Cubase SX, Cubase SL and Nuendo do not receive the program assignments from the HALion program list and the global page. Solution: Set the program changes in the inspector of the host application prior to set the assignments in HALion.

- Available outputs per HALion instance may be limited, depending on the host application and Plug-in interface you use.

- DXi-version: deactivating the "FastBounce" option when using "Bounce to Tracks" in Sonar is recommended if you experience cut off or missing notes.

- To avoid note-hanging in Cubase you need to activate the Option "Reset on Stop".