HALion 6
HALion Sonic (SE) 3

Version History

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Creativity First

HALion 6.4 / HALion Sonic (SE) 3.4

The following lists all new features and improvements in HALion 6.4 and HALion Sonic (SE) 3.4.

ID #	Area	Issue
HAL-3972	Library Creator	A new column called "Effective Path" in the content list shows the file location and path of each file as it will be added to the VST Sound.
HAL-3971	Library Creator	MIDI files can now be added to library specific paths.
HAL-3790	General	When loading HALion /HALion Sonic, no more warning about missing containers will be displayed. If containers are missing because libraries have been uninstalled, the MediaBay cleans up automatically. If VST Sounds are only missing temporarily due to unmounted drives or missing licenses, the presets will be shown as unavailable in the MediaBay.
HAL-4091	General	The partner option allows to activate/deactivate HALion Partner features. These features require an additional partner license.
HAL-4060	General	An option for buses and effects allows to define whether the bus or effect should be affected by the global Aux bypass switch.
HAL-4056	General	An option for buses and effects allows to define whether the bus or effect should be affected by the global insert bypass switch.
HAL-4037	Scripting	Program objects like zones, buses, effects, etc. can be created via script.
HAL-4032	Scripting	The sample pitch and level envelopes can be set via script.
HAL-4027	Scripting	The onset of a sample can be detected via script.
HAL-4084	Scripting	The bypass mask for a bus or an effect can be controlled via script. The bypass mask defines if buses or effects are affected by the global bypass switches.
HAL-4084	Macro Page Designer	The stepmodulator control now has 32 length and 32 on values.

HALLY-8177	**Macro Page Designer**	The Step Modulator control now provides an option to enable/disable advanced editing options (available via context menu on the control).
HALLY-8172	**Macro Page Designer**	The minimum number of steps for the Step Modulator controls has been corrected to 1.
HALLY-7936	**Macro Page Designer**	Fixed attachment of controls inside stacks.
HALLY-7928	**Macro Page Designer**	Fixed attachment of controls inside disabled view.
HALLY-7932	**Macro Page Designer**	Fixed resize behavior of the script message view.
HALLY-7621	**Macro Page Designer**	Fixed resize behavior of the control browser view.
HALLY-8123	**Macro Page**	Fixed large animations issue on High DPI monitors.
HALLY-7576	**Macro Page**	Fixed issue where a secondary wavetable display didn't render the same wavetable data.
HALLY-8108	**General**	Improved render times for Audio Mixdown.
HALLY-8145	**General**	Fixed crash that occurred when playing generic Arpeggios with octave shift played at high keys.
HALLY-8086	**General**	Fixed possible crash on closing Cubase projects.
HAL-3994	**General**	Fixed Crash that occurred when loading more than 64 programs at once per double-click from the MediaBay.

HALion 6.3.1 / HALion Sonic (SE) 3.3.1

The following lists all new features and improvements in HALion 6.3.1 and HALion Sonic (SE) 3.3.1.

ID #	Area	Issue
HALLY-7989	Macro Page Designer	Removed invalid Template parameter from the Template properties in the Macro Page Designer.
HALLY-7991	Quick Control assignment	Fixed issue where Quick Control assignments were broken when exporting a program as a HALion Sonic SE layer.
HALLY-8006	Wavetable	Removed audio clicks which occurred when reaching the end of the envelope with wavetable playback.
HALLY-8023	Wavetable	Fixed crash when replacing the second wave in a wavetable.
HALLY-8000	Scripting	Fixed LUA wait() function which could produce an overload after a longer system-up time (Windows).
HALLY-8002	MPE in Standalone	Removed MPE option from standalone.
HALLY-8036	MIDI Channels in Standalone	Fixed Standalone behavior where all MIDI channels were mapped to MIDI channel 1.
HALLY-7990	Quick Controls	Fixed issue where it was not possible to assign a parameter to Quick Control 1.

HALion 6.3 / HALion Sonic (SE) 3.3.

The following lists all new features and improvements in HALion 6.3 and HALion Sonic (SE) 3.3.

ID #	Area	Issue
NEW FEATURE	Wavetable Editor	Improved pitch analysis for imported stereo and mono samples makes it much easier to create your own wavetables.
NEW FEATURE	Sample Editor	Improved pitch analysis for imported samples.
NEW FEATURE	Scripting: Wavetable Editor	You now can analyze the pitch of samples via script.
NEW FEATURE	Scripting: Macro Page Designer	Popup Mode for switches: This allows you to open any template as a popup above the macro page. The position of popups can be attached to the opening switch control.
NEW FEATURE	Scripting: Macro Page Designer	Meter templates for dynamic FX: The basic controls library provides dedicated templates to display level and reduction meter of dynamic effects.
HALLY-4489	General MIDI for HALion Sonic	A new context menu command "Update General MIDI programs" on the multi loader was created. This allows to update the currently loaded GM sounds after having moved GM sound tags to other than the default programs.
HALLY-5875	Wavetable Editor	Fixed: The wavetable editor was grayed out but not empty on a deleted wavetable zone
HALLY-6118	Macro Page Designer (HALion 6)	Fixed: Right-clicking a text field on a macro page entered text edit mode.
HALLY-7000	Waves	Fixed: Copy/paste of multiple waves pasted them in the wrong order.
HALLY-7039	Scripting & effects	Fixed: Possible crash when appending effects via script.
HALLY-7327	Cubase	Fixed: Track selection didn't select the right program slot when the HALion GUI was closed and reopened with a different MIDI track selection in Cubase.
HALLY-7373	HiDPI	Fixed: Standalone plug-in header sometimes appeared black in HiDPI mode.
HALLY-7388	MegaTrig and MIDI controllers	Fixed: MegaTrig didn't allow to modify MIDI controllers for multiple selected modules at once
HALLY-7454	Macro Page Designer	Fixed: Hitting tab in a Quick Control name field jumped to the slot name instead of the next Quick Control name
HALLY-7547	Graphic cards and Open GL	Fixed: Possible crash if graphics card didn't support Open GL.
HALLY-7653	Sample import	Fixed: Importing samples via drag and drop into the program tree could sometimes replace the program.
HALLY-7669	Debugger	Fixed: The debugger connection was lost after reloading a script.
HALLY-7686	Animations	Fixed: Possible crash with large animations.

HALLY-7711	Wabetable 3D display	Fixed: Unison voice delay caused flickering of the wavetable 3D display.
HALLY-7777	Loading program	Fixed: Loading empty "Program 1" from the program table set MIDI input to D16 instead of A.
HALLY-7782	MediaBay	Fixed: Sometimes MediaBay attributes could not be removed.
HALLY-7787	Macro Page Editor	Fixed: Possible crash when adding nodes in the macro page curve editor.
HALLY-7792	Macro Page	Fixed: Connecting macro page controls via context menu "Connect to Macro Page" was broken.
HALLY-7799	Scripting	Fixed: The stringlist variable properties did not allow more than 9 entries.
HALLY-7817	Audio input parameter	Fixed: Audio input parameter was only accessible from the synth zone.
HALLY-7826	Busses (HALion Sonic / HALion Sonic SE)	Fixed: Missing buses dialog could show up with missing UI elements.
HALLY-7886	Multiprograms (HALion Sonic SE)	Fixed: The default path for saving programs changed after saving a multi-program.
HALLY-7825	Rotary effects (HALion Sonic SE)	Fixed: Horn mic angle and drum mic angle knobs were missing on rotary effect.
HALLY-7375		Possible crash with HALion Sonic SE 3.1.0 as standalone and in Cubase Elements 9.5.
HALLY-7813		Possible crash after unsuccessful sound loading.

HALion 6.2.20 / HALion Sonic (SE) 3.2.20

The following lists all improvements in HALion 6.2.20 and HALion Sonic (SE) 3.2.20

ID #	Area	Issue
HALLY-7636	Controller (HALion 6 & HALion Sonic)	Fixed: AI-knob controlling of parameters with monitor scaling other than 100% didn't work
HALLY-7690	Controller (HALion 6)	Fixed: Default pitchbend range when "Receive RPNs 0/1/2" is active
HALLY-7725	Controller	Improved: Reduced zipper noise for MIDI controller "Expression"
HALLY-7673	Debugger	Fixed: Breakpoints in the processing thread now work as expected
HALLY-7633	General (HALion 6 & HALion Sonic)	Fixed: Possible crash with timestretching
HALLY-7670	General (HALion 6)	Fixed: VST 2 scanner issue where plug-ins could be moved to the blacklist
HAL-3871	Macro Page Designer	Fixed: Template parameters for Templateviews with a variable template property were missing
HALLY-7658	Macro Page Designer	Fixed: "Checkable" tooltip on menu control was wrong
HALLY-7688	Macro Page Designer	Fixed: Disappeared properties for the Popuplist variable
HALLY-7691	Macro Page Designer	Added: "Reload all resources" switch to the resources editor toolbar
HALLY-7713	Macro Page Designer	Fixed: Missing update when switching a slider style to vertical
HALLY-7715	Macro Page Designer	Fixed: String list variabe was empty, after deleting the last string list item
HALLY-7741	Macro Page Designer	Fixed: Templateview didn't accept parameter assignment using the @par-notation
HALLY-7751	Macro Page Designer	Fixed: Templateview didn't accept dropping parameters from the parameter list
HALLY-7752	Macro Page Designer	Fixed: Templateview didn't accept dropping templates from the template browser
ID #	Area	Issue
HALLY-7754	Macro Page Designer	Fixed: Changing the template property on a template view, didn't reconnect corresponding template parameters
HALLY-7758	Macro Page Designer	Fixed: Changing the template property on a template view, didn't update the template
HALLY-7687	MediaBay	Fixed: MediaBay fliter column configuarition, was lost when closing and re-opening the UI
HALLY-7733	Modulation Matrix	Fixed: Wrong default for offset control
HALLY-7734	Quick Controls	Fixed: Wrong parameter connection display

HALLY-7731	Scripting	Improved boolean parameters: • Boolean parameter min/max are now false and true • Data parameters now have min/max nil • Setting Boolean parameter now accepts any value and uses standard LUA conversion (i.e. false and nil are "false2, everything else is "true") • Parameter definition of Boolean behaves the same for getDisplayString
HALLY-7625	Standalone (HALion 6 & HALion Sonic)	Fixed: Outdated icon for standalone application
HALLY-7678	Standalone (HALion 6)	Fixed: MIDI playback issue where recorded notes were all very short
HALLY-7679	Standalone	Fixed: MIDI playback issue where last note was played too short
HALLY-7691	Standalone	Added: "Reload all resources" switch to the resources editor toolbar
HALLY-7718	Standalone	Fixed: "Don't ask for save on quit" state was not restored
HALLY-7693	UI (HALion Sonic)	Fixed: Alignment of the keyboard for bigger macro pages was not centered
HALLY-7719	UI (HALion 6)	Fixed: Broken resizing of the recorder sample display
HALLY-7727	UI	Corrected: Label positions and sizes in granular and organ zone
HALLY-7728	UI	Fixed: missing check marks and sub menus in Modulation Matrix
HALLY-7776	Sample Editor	Fixed: missing context menu entries on sample editor
	HALion 6 HALion Sonic SE Dorico	Fixed: possible crash in HALion Sonic SE when importing MIDI from Dorico

HALion 6.2 / HALion Sonic (SE) 3.2

New features

The following lists all new features in HALion 6.2 and HALion Sonic (SE) 3.2

ID #	Area	Issue
	High DPI Support	The user interface is based on bitmaps with higher resolutions to allow a sharper image on High DPI monitors. High DPI mode can be deactivated on Windows systems for hosts having issues with high-resolution monitors or mixed multi-monitor setups. Note: HALion 5 and 6 factory content macro pages currently do not yet come with high-resolution bitmaps.
	High DPI Support	Macro pages containing additional bitmaps with higher resolution automatically switch to these, when the macro page is shown on a High DPI display.
	High DPI Support	High DPI support: Library Selector icons and Cubase Media Rack icons can be added with higher resolutions.
	Macro Page Designer	Macro pages are built at a user-definable size for HALion Sonic (SE) compatible instruments.
	Macro Page Designer	It is now possible to specify a custom list of destination buses for output selectors.
	Macro Page Designer	The Range Slider has the new "Push" option. When active, the two slider knobs will push their counterparts as soon as they pass their current values.
	Program Slot	There are now "Previous" _and "Next" _preset switches in the Preset loader which allows to switch presets stepwise.
	Program Table	Multiple selected programs can be exported at once.
	MediaBay	A new "Search Name only" was added. When search uses a string, this allows to search only in program names. Otherwise the search will include all attributes.
	Library Creator	HALion Partners can now input on their own Encryption keys to build encrypted and copy protected libraries.
	Missing Sample	We developed a new option: Auto search.

HALion Sonic (SE) 3.2

New features

The following lists all new features in HALion Sonic (SE) 3.2

ID #	Area	Issue
	Player View	The Player view has been improved and can now be configured. Optional sections are Keyboard, Quick Controls and Trigger Pads. Auto Configuration determines if Quick Controls and/or Trigger Pads were used in a program and displays the corresponding sections. If a library manufacturer has defined specific configuration for the macro page, it will be shown in Auto Configuration mode.
	User Interface	Automatic user interface resize depending on the size of the macro page that is displayed. This applies for both the standard and the player view.
	Program Slot	There are now Previous and Next Preset switches in the Preset loader which allows to switch presets stepwise.
	MediaBay	A new "Search Name only" was added. When searching using a string, this allows to search only in program names. Otherwise the search will include all attributes.

HALion 6.2 / HALion Sonic (SE) 3.2

Improvements

The following lists all improvements in HALion 6.2 and HALion Sonic (SE) 3.2

ID #	Area	Issue
HAL-3553	Dynamic Scopes	Dynamic Scopes are now updated after inital loading.
HAL-3545	History	Removed unwanted history entries after loading HALion with default preset.
HALLY-7549	FlexPhraser	Fixed possible issues when changing FlexPhraser user phrase via mouse wheel.
HALLY-7506	Wavetable	Fixed issue when switching sample zones with missing samples to wavetable.
HALLY-7450	AKP-files	HALion loads AKP-files on Windows 8.1.
HALLY-7429	Macro Page Designer	Fixed: Macro Page Designer tab resizes to default, when creating a new macro page.
HALLY-7430	Macro Page Designer	Fixed issue that the Macro Page Designer window section sizes were not stored in Screen Sets.
HALLY-7410	Error Messages	Fixed script error messages not showing the correct filename.
HALLY-7422	Opening	Removed "Focus on value field-behaviour" , when opening the HALion GUI.
HALLY-7399	Export	Fixed broken default location for export, for folders that do not exist.
HALLY-7364	Macro Page Designer	Fixed issue with stuck increment/decrement switch, when switch had no hover bitmap.
HALLY-6305	Mapping Editor	Disabled controls on mapping editor, when no zone has the focus.
HALLY-7594	Screensize	Fixed wrong screensize issue after launching standalone application.
HALLY-7582	HALion in Cubase	Fixed possible issues while loading a Cubase project, containing HALion 6, with an opened Macro Page Designer, but no focussed program.
HALLY-7579	Filter type	Improved sound for filter type "Rate Reduction KF", when you are changing the sample rate.

ID #	Area	Issue
HALLY-5729	MediaBay	Fixed issue where during prelistening presets via the Cubase MediaBay/Media Rack, the "Startup" program was a played, until loading was finished
HALLY-7507	Wavetable	Improved HALion wavetable phase randomization if the selection tool is enabled.

Improvements

The following lists all improvements in HALion 6.1.15 and HALion Sonic (SE) 3.1.15

ID #	Area	Issue
HALLY-7363	Scripting	Improved performance of deeply nested tables.
HALLY 7409	AU	Improved performance for Mac.
HALLY-7395	Macro Page	Subfolders are now accessible through the "Load From" option of the custom preset browser template.
HALLY-7411	Macro Page	Improved preset browser template for folder levels.
HALLY-7412	Engine	Improved performance of the layer alternate module for note expressions.

HALion 6.1.10 / HALion Sonic (SE) 3.1.10

Improvements

The following lists all improvements in HALion 6.1.10 and HALion Sonic (SE) 3.1.10

ID #	Area	Issue
New feature	Macro Page Editor	It is now possible to protect macro pages that are assigned to a program without the necessity to edit-protect the program. Edit-protecting a program is not recommended when exporting it as a HALion Sonic SE layer, because this prevents the user from accessing the FlexPhrasers of a layer or the effects of the layer bus.
New feature	Macro Page Editor	Protect macro pages: Activate this option to edit-protect the macro pages that are used in the library. Users who load a preset from a protected macro page cannot see or edit its structure in the Macro Page Designer. Furthermore, protected macro pages cannot be deleted or replaced. Libraries with protected macro pages require at least HALion 6.1.10 or HALion Sonic (SE) 3.1.10.
HALLY-7313	Macro Page Editor	The envelope view now has an additional property "Free End", which can be activated if the last node should be freely movable instead of being fixed to 0.
HALLY-7341	Macro Page Editor	An issue with the connection of parameters in the context menu "Connect to Macro Page" is resolved.
HALLY-7295	General	An issue with older Intel HD graphics chips is resolved. It requires an additional registry patch which can be found at: https://helpcenter.steinberg.de/hc/en-us/articles/115000934990-User-Interface-errors-in-HALion-6-on-Windows
HALLY-7091	General	Improved performance of Pitch Bend Range when it was set by RPN message
HALLY-7318	General	Improved performance on Mac when using Velocity curve module in Custom Curve mode
HALLY-7294	Program Tree	An issue where the dropping of a layer on a focussed layer in the program tree replaced it instead of merging both layers is resolved.
HALLY-7293	Program Tree	An issue with empty names when dropping programs and layers into the program tree is resolved.
HALLY-7303	Program Tree	We added context menu entries.
HALLY-7324	MegaTrig	An issue with missing note off events is resolved.
HALLY-7280	Mono Step Modulator	Improved performance.

ID #	Area	Issue
HALLY-7312	**Mono Step Modulator**	An issue with scripting of starting Cubase on bar 1.
HALLY-7305	**Mono Step Modulator**	An issue with note values during saving is resolved.
HALLY-7133	**Wavetable Editor**	Improved performance of the memorizing from import path.

HALion 6.1.0 / HALion Sonic (SE) 3.1.0

Improvements

The following lists all improvements in HALion 6.1.0 and HALion Sonic (SE) 3.1.0.

ID #	Area	Issue
HAL-2620	Wavetable	It is now possible to edit the spectrum of multiple selected waves in the wavetable at the same time. Drawing in values will absolutely edit all spectrums.
HAL-3140	Wavetable	Fixed Window Size can now be used with all window types.
HAL-3379	Macro Page Editing	Text Control, Slider and Range Slider now include the new option "Read Only". This allows them to be used as a parameter value display.
HAL-3293	Content SDK	HALion can now load HALion Sonic/SE presets in a protected mode. This enables you to modifiy HS presets and to save them in HALion while keeping the HS preset format. Please note that some editing possibilites might be blocked to protect the preset structure.
HAL-3292	Content SDK	HALion can now export presets to an arbitrary folder on the system, outside the MediaBay. The save dialog allows to specify MediaBay tags so that the preset can later be added to the MediaBay including all relevant information.
HAL-3446	Scripting	There is a new "getUndoContext" function to check if the current script execution is part of an undo or redo operation.
HAL-3450	Scripting	The "startUndoBlock" function now returns an ID for identifying the undo block. This ID can be used as second argument in later calls to "startUndoBlock" for combining the undo blocks that refer to this ID.
HAL-3404	Scripting	The arguments type and format were added to "defineParameter".
HAL-3400	Scripting	You can now update running notes via script parameter changes. The new "runSync" function executes a function in the processor thread. By calling "runSync" in the controller thread, you can invoke a function that is executed in the processor thread.
HAL-3494	Content Creator	It is now possible to check the content for duplicates.
HAL-3365	Content Creator	HALion now keeps temporarily created pitch data used by the AudioWarp function in a temporary folder. This speeds up loading times when a preset is reloaded.
HAL-3363	Content Creator	The pitch data information can also be added to a VST Sound container when building libraries.

HAL-2105	**Content Creator**	HALion now allows to add public audio folder with samples to a VST Sound when building libraries. In contrast to samples in private audio folders, these samples can also be seen in HALion's sample browser.
HAL-3250	**Content Creator**	Thanks to the new Collaboration support for the Content Creator, you can build your own library together with other sound designers. Library files can now also easily be moved from one location to another.
HAL-3364	**Content Creator**	A new progress indicator shows up when the pitch analysis is working.
HAL-2663	**VSTsound Manager**	The installation destination for VST Sounds can now be selected.
HAL-3529	**Macro Page Editing**	There is a new mixer channel template in the Basic Controls Library, which can be used to control HALion buses.
HAL-3528	**Macro Page Editing**	The new "Layout" option in the template list control can be used to align child templates horizontally, vertically or in a two-dimensional grid. The new "Alignment" option allows to align child templates centered, left or right inside the template list cells or to fill them.
HAL-3527	**General**	The new tag editor can be used to view and edit the MediaBay tags of a loaded preset. The Default, Advanced, Minimized and Editors screen sets have been updated and allow you to use this editor as a secondary tab on the Program Tree view.
HAL-3526	**General**	A new "Browser" window set has been added that opens the browser as a new window.
HAL-3292	**HS 3.1**	HALion Sonic allows now to export presets to an arbitrary folder on the system outside the MediaBay. The save dialog allows to specify MediaBay tags so that the preset can later be added to the MediaBay including all relevant information.
HAL-3292	**HS 3.1 und H 6.1**	The new breadcrumbs control in the Browser / Export Dialog enhances the navigation in the current path.

Issues resolved

The following lists all resolved issues HALion 6.1.0 and HALion Sonic (SE) 3.1.0.

ID #		Area	Issue
HALLY-4062	H6	Browser	An issue has been resolved where the browser result list did not show the complete folder structure of the user folder.
HALLY-6016	H6	Drag and Drop	An issue has been resolved where Rex2 files could no longer be dropped onto the sample, wavetable and zone editor as they contain metadata and were not suited as a raw sample format.
HALLY-6969	H6	FlexPhraser	An issue has been resolved where the Flexphraser blocked Cubase key commands.
HALLY-3423	H6	General	An issue has been resolved where the missing files alert showed up when using "Export Multi-Program as VST 3 Preset with Files".
HALLY-3460	H6	General	The behavior when loading HALion Sonic presets in HALion has been changed. Empty layers are no longer removed.
HAL-3513	H6	General	HALion can now be resized under Logic Pro X.
HALLY-5356	H6	General	The "Family Name" tag will now be added when saving.
HALLY-6136	H6	General	An issue has been resolved where Soundfont import for Sample Loop Mode 3 did not work correctly.
HALLY-6216	H6	General	The memory usage when re-loading projects with many HALion instances has been improved.
HALLY-6903	H6	General	An issue has been resolved where adding a sample to a layer could replace the whole layer.
HALLY-6917	H6	General	Unnecessary steps from undo history have been removed.
HALLY-6921	H6	General	An issue has been resolved where the visibility option in the program tree was not remembered when the HALion GUI was closed and reopened.
HALLY-6954	H6	General	An issue has been resolved where dragging a GM presets from the browser to the slot rack caused an unexpected exit on Mac.
HALLY-6993	H6	General	An issue has been resolved where muting a playing organ zone caused an unexpected exit.
HALLY-7015	H6	General	An issue has been resolved where playing to many voices with the organ oscillator coming from another zone type with active unison voices caused an unexpected exit.
HALLY-7074	H6	General	An issue has been resolved where closing floating windows with an active edit field caused an unexpected exit.
HALLY-7156	H6	General	An issue has been resolved where loading existing projects caused an unexpected exit on Mac.
HALLY-7201	H6	General	An issue has been resolved where velocity crossfades could produce zipper noise.

HALLY-7204	H6	General	Dezipped synth zone ring modulation level, noise level and Wavetable suboscillator pan to avoid zipper noise.
HALLY-6137	H6	Import	Sound Font import for filter mode setting is improved.
HALLY-7068	H6	Key Commands	"Paste to New Layer" is now available in key commands dialog.
HALLY-7008	H6	Key Switch Alternate	An issue with removing an expression layer has been resolved.
HALLY-7174	H6	Library Creator	The library creator now detects if a VST Sound depends on another VST Sound due to required MIDI scripts.
HAL-3419	H6	Macro Page Editor	An issue has been resolved for the removing of a line from a stringlist variable.
HALLY-6961	H6	Macro Page Editor	The available bitmap options have been adapted for multi-state switches.
HALLY-6980	H6	Macro Page Editor	The resize behavior of template list views has now been improved.
HALLY-6996	H6	Macro Page Editor	"Fit Strings" option now also works with user TrueType fonts.
HALLY-7132	H6	Macro Page Editor	The shaped option on switches where you can use sections as bitmap resource is improved.
HALLY-7069	H6	MegaTrig	An issue for missing notes with MegaTrig condition "Random" has now been resolved.
HALLY-7163	H6	MegaTrig	MegaTrig behavior for incoming MIDI note-on and note-offs with the same timestamp is now improved.
HALLY-5357	H6	Sample Editor	After clearing the plug-in instance the Sample editor doesn't show a path any longer.
HALLY-6998	H6	Scripting	An issue has been resolved where Boolean parameters use 0 and instead of true and false.
HALLY-7023	H6	Scripting	An issue has been resolved with the usage of "wait" in an "onChanged" callback.
HALLY-7108	H6	Scripting	An issue with the undo group merging for editing parameters in the parameter list has been resolved.
HALLY-7109	H6	Scripting	An issue with undo group merging and limited undo entries in the history has been resolved.
HALLY-7118	H6	Scripting	An issue when loading a lua script has been resolved.
HALLY-6918	H6	Wavetable Osc	The history entry for loading noise files has been improved.
HALLY-7173	H6/HS3	Content	The VST Sound "FCP_SMT_193_VST_Presets_04.vstsound" now reflects dependencies with other VST Sounds.
HALLY-7125	H6/HS3	Drum Player	An issue in the Drum Player with Out Note = Off has been resolved.
HALLY-6603	H6/HS3	Envelope Editor	The zoom in the envelope editor is improved while using Ctrl + scrollwheel (Win) Cmd + Mousewheel (Mac).
HALLY-6103	H6/HS3	FlexPhraser	Playback with FlexPhraser has been improved.

HALLY-7124	H6/HS3	FlexPhraser	"Fill Gaps" operation in FlexPhraser has been improved.
HALLY-6525	H6/HS3	Step Modulator	The step selection is now limited to the maximum number of steps.
HALLY-6971	HS3	General	The loading of older projects has been improved.
HALLY-7011	HS3	HS 3.1 Multi Chain	You can now switch between Multis on the Multi Chain page without jumping back to previously loaded Multis.

HALion 6.0.15 / HALion Sonic (SE) 3.0.15

Improvements & issues resolved

The following lists all resolved issues HALion 6.0.15 and HALion Sonic (SE) 3.0.15.

ID #	Area	Issue
HALLY-7007	Unison	An issue has been resolved where Zones were played detuned with unison disabled, if a unison detune value was set.

Improvements & issues resolved

The following lists all resolved issues and improvements in HALion 6.0.10.

Improvements related to HALion Sonic (SE) 3 are marked accordingly.

ID #	Area	Issue
HALLY-6491	AAX	Possible crash in Pro Tools when deleting larger user programs
HALLY-5262	Automation	System could become sluggish when automating lots of zones at the same time
HALLY-6739	Automation/MIDI Controller	Deleting assigned MIDI CCs from the AUTO/CC tabs didn't remove assignment
HALLY-5679	Automation/MIDI Controller	Zone names were not sorted by name for Automation channels assigned to multiple zones on the Automation editor
HALLY-6740	Automation/MIDI Controller	Wrong text in message box when deleting all MIDI CCs assignments
HALLY-5863	Drum Player	Drum Player playing in a loop could randomly cause bad MIDI timing on first beat
HALLY-5200	General	Middle mouse button can be used to scroll in the Mapping and Mixer editors
HALLY-2378	General	CPU overload peak LED behavior improved (HALion, HALion Sonic and HALion Sonic SE)
HALLY-6797	General	"Export VST 3 Preset With Files" didn't work correctly if presets referred to a macro page file inside a VST Sound
HALLY-6831	General	HALion could crash Cubase when playing in a loop
HALLY-3275	General	Library selector didn't show libraries sorted by alphabet
HALLY-5270	General	When selecting slots on different MIDI channels in HALion, the Cubase Media Rack didn't follow
HALLY-6690	General	GUI update problem in Studio One 3
HALLY-5866	General	The Export VST 3 Preset with samples file dialog didn't open with the right root directory
HALLY-6366	General	Warning for unavailable outputs in Sample Recorder, Wavetable Editor and Sample Editor was missing in output selectors
HALLY-6887	General	Slot focus got lost after closing and reopening GUI
HALLY-5460	General	Mixer gain values changes shown in the history didn't exactly match the actual settings on mixer fader
HALLY-6854	General	Warp mode "Music" could lead to playback glitches
HALLY-6127	General	Changing FlexPhraser user phrases per mouse wheel didn't work on Macro Pages
HALLY-6836	General	Locate missing VST Sound could crash Pro Tools
HALLY-6632	General	Inserting a sample in between two loaded programs in the slot rack didn't automatically create/load a new program
HALLY-4602	General	Keyboard view context menu "Select key" didn't show selected zones in program tree
HALLY-6274	General	Changing the sample in Skylab created too many history entries
HALLY-6793	General	Sub-preset path for script modules was not the same on Mac and PC

HALLY-6864	General	Macro Pages of MIDI modules didn't respect the height setting as defined in the Macro Page editor, but adapted automatically depending on elements on Macro Page
HALLY-6879	General	Dropping multiple programs on the slot rack didn't always load programs to expected slots
HALLY-5399	General	Loading multiple programs via hotkey "L" from MediaBay wasn't possible
HALLY-6809	General	Possible crash in the envelope shaper when used in several programs with multicore processing enabled
HALLY-6813	General	REVerence could introduce bigger latency with larger audio buffer sizes
HALLY-6764	General	Possible crash with SysEx messages
HALLY-6782	General	Message box appears prompting to save the project before closing
HALLY-6613	General	Crash on loading in Digital Performer 9.12
HALLY-6849	General	Negative pitchbend values could be interpreted as positive values when importing foreign sampler formats
HALLY-6865	General	Pitch Bend Range couldn't be set by sending MIDI controller messages (RPNs) (HALion, HALion Sonic and HALion Sonic SE)
HALLY-5654	General	Note Expression didn't work on Sample Start in the modulation Matrix
HALLY-6469	General	Mono StepModulator GUI showed broken rezise behavior
HALLY-6868	General	VSTPreset "Big Room Shuffle 01 - 126" could not be loaded into HALion Sonic 3
HALLY-6941	General	The Waldorf filter could be selected but didn't work (HALion, HALion Sonic and HALion Sonic SE)
HALLY-6845	Library Creator	It was imposssible to cancel the library build process
HALLY-6860	Library Creator	The Library Creator didn't add samples to a VST Sound if it was referenced by a grain zones
HALLY-6859	Library Creator	The "Skip" flag for VST Sounds was ignored
HALLY-6870	Library Creator	Library Creator report window was modal and could not be closed before the report was completed
HALLY-6866	Library Creator	Library creation process was possible even with invalid or missing samples
HAL-2983	Macro Page Designer	When changing values in scrolled properties pane, the pane scrolled up
HALLY-6111	Macro Page Designer	When assigning resources the first time the popup tree should wake up with the last selected folder
HAL-3273	Macro Page Designer	Color Picker in the font properties didn't open when clicking the color field
HAL-3274	Macro Page Designer	REVerence sub-presets could not be switched via Macro Page preset selector
HALLY-6810	Macro Page Designer	Connect to Macro Page context menu command on the envelope editor always connected to Release Offset

HALLY-6819	Macro Page Designer	Possible Ccrash when trying to export an empty Macro Page
HALLY-6820	Macro Page Designer	Possible crash when resizing an empty Macro Page
HALLY-6883	Macro Page Designer	Macro Page Designer allowed to click "Export Macro Page" when no Macro Page was loaded, which led to a crash
HALLY-6861	Macro Page Designer	GUI, Template and Resource tabs could clip if sized vertically too small
HALLY-6794	Macro Page Designer	Possible crash in Macro Page Designer when using the "Select folder" button in the template browser
HALLY-5799	Mapping	The Mapping Editor showed wrong icons for Granular, Organ and Wavetable zones
HALLY-6589	Mapping	Hanging notes when changing the key range of zone while the note was playing
HALLY-6669	Mapping	"Layer to last key" in Mapping editor changed order of zones in the program tree
HALLY-6777	Media Bay	Library name could not be changed in the HALion MediaBay for imported FXP files
HALLY-6439	Mixer	When expanding mixer channels at the right edge, the expanded part of the channel was not completely visible
HALLY-6815	Parameter List	The parameter list didn't show parameters for the slice player module
HALLY-6412	Program Tree	Inserting sample zones bewteen existing zones into the Program Tree per drag and drop didn't work correctly
HALLY-6675	Program Tree	Existing sample zone could not be replaced via drag and drop from the MediaBay
HALLY-6818	Program Tree	Solo in program tree didn't work any longer after removing zones in solo mode
HALLY-6916	Program Tree	Sub-layers visually disappeared when layer was moved in the program tree
HALLY-6833	Program Tree	"Export Layer as Protected VST 3 Layer" only worked on programs and not on layers
HALLY-4615	Program Tree	Better naming when copying objects from one program to another
HALLY-5852	Program Tree	The key and velocity range columns in the program tree didn't update automatically when settings were changed in the Sound Editor
HALLY-6903	Program Tree	Adding a sample to layer could replace the complete layer
HALLY-6723	Sample Editor	Some toolbar options in the Sample Editor were not remembered when closing and reopening GUI
HALLY-5695	Sample Editor	Loopset A/B buttons in Sample Editor could be turned off both
HALLY-6383	Sample Editor	Scrollbar in Sample Editor jumped to the beginning when reaching the end
HALLY-6703	Sample Editor	Trim Sample didn't work on a selection (only on sample start to end)
HALLY-6888	Sample Editor	Clicking on "Load\Replace Sample" in the Sample Editor when slice-settings were applied could lead to a crash

HAL-3272	Sample Editor	Dropping samples on Sample Editor wasn't always possible
HALLY-6670	Sample Recorder	The destination layer was only shown during recording
HALLY-6605	Sample Recorder	The record folder default path in the Sample recorder options was wrong
HALLY-6611	Sample Recorder	If "Mapping" is set to "As played", "next key" is now greyed out
HALLY-6856	Scripting	Some script functions could lead to a crash when used from within an UI script
HALLY-6834	Scripting	Filter functions could crash, if the anonymous function had no arguments
HALLY-6328	Scripting	Script function "Assign automation" has now a scope argument
HALLY-6863	Scripting	The Output Messages section were different in the Macro Page Editor and the LUA module editor
HALLY-6889	Standalone	Audio output assignment in standalone could be set to "Not Connected" with no effect
HALLY-6147	Wavetable	The wavetable oscillator didn't behave correctly when switching from long to short noises while playing notes
HALLY-6025	Wavetable	Missing tooltip on wavetable marker
HALLY-6816	Wavetable	Changing the zone root key didn't work on wavetable zones
HALLY-6812	Manual	Link to online help not availbale in AAX version (HALion, HALion Sonic and HALion Sonic SE)
HALLY-6985	Modulation	Restoring envelope subpresets on a multi-selection of zones led to wrong settings on the non-focussed zones
HALLY-6926	Modulation	Synced zone envelopes could run out of sync with longer held notes
HALLY-6690	GUI	GUI update issue fixed