

# VST Live Pro 2

## Version history

August 2025

Steinberg Media Technologies GmbH



## VST Live Pro 2.2.63

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### August 2025

This version contains the following improvements and issue resolutions.

#### Features

| Area      | Issue                 |
|-----------|-----------------------|
| Media Bay | Drag Assets to Folder |

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#### Issues resolved

| Area    | Issue                                                        |
|---------|--------------------------------------------------------------|
| Actions | MIDI Assignment not reset with "Reset All" button            |
| Mixer   | Mixer Ordner sometimes wrong on reload project               |
| Tracks  | Draw/Select Tool changes for Media Events not always working |

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## VST Live Pro 2.2.62

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### August 2025

This version contains the following issue resolutions.

#### Issues resolved

| Area    | Issue                                      |
|---------|--------------------------------------------|
| Setlist | Crash On Reloading                         |
|         | Toggle not always working                  |
| Stacks  | Input Muted when same input as part before |
| Notes   | Images not found                           |
| Tracks  | Imprved Select/Draw Tool drawing           |

# VST Live Pro 2.2.61

## August 2025

This version contains the following improvements and issue resolutions.

### Features

| Area    | Issue                                |
|---------|--------------------------------------|
| App     | Export MIDI Track                    |
|         | Label and Menu for Setlist selection |
| Setlist | Toggle to open Setlist Editor        |

### Issues resolved

| Area   | Issue                                                          |
|--------|----------------------------------------------------------------|
| MIDI   | Improved Transformer                                           |
| Stacks | Improved Fade Out                                              |
| Tracks | Fixed issue where automation editing was not working           |
|        | Improved Grid-Snapping for clips and MIDI notes                |
|        | Fixed automation value changes in editor always being set to 0 |

# VST Live Pro 2.2.60

## August 2025

This version contains the following improvements and issue resolutions.

### Features

| Area         | Issue                                                    |
|--------------|----------------------------------------------------------|
| MIDI Editor  | Added Event/Cursor Snapping                              |
| Time Display | Remaining Time                                           |
|              | Added "Song Remain" Type                                 |
| Tracks       | MIDI Controller Tracking Preference controls MIDI Tracks |
|              | Added Triplets Grid                                      |
|              | Added Event/Cursor Snapping                              |

### Issues resolved

| Area    | Issue                                  |
|---------|----------------------------------------|
| App     | Load Song not working                  |
|         | Load Song not working with saved Sends |
|         | ARM is now default (mac)               |
|         | Save Archive should save last folder   |
| Actions | Close Plug-In Editor not working       |
|         | Channel Order lost                     |
|         | Select Global Part crash               |

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| Chords       | Multiple-Undo can result in unwanted Chord-Event states                    |
| Connections  | MIDI Transformer Control crash                                             |
|              | Transformer-Icon not is state with Transforer-Window                       |
| Layer        | MIDI Note 127 surpressed by Layer Zone                                     |
|              | Audio Volume is not transferred to Mixer with Shared Layers                |
|              | Trigger Time wrong with Multi Signature Events                             |
| Mixer        | Lost Main Channel when Channel was renamed                                 |
|              | Entering the same value to Channel-/Send-Volume multi-times, does not work |
|              | Output-Bus-Names can be lost while switching songs                         |
| Notes        | Missing images                                                             |
|              | Lost Sends with Main Channel                                               |
|              | Lost OUT Channels Visibility                                               |
| Plug-Ins     | Plug-Menu Menu has now focused Text-Field                                  |
| Stacks       | Fades not working while switching                                          |
|              | Sends of loaded or pastes Stacks not working                               |
| Time Display | Remember Typ Settings                                                      |
| Tracks       | Improved locate missing media files                                        |
|              | Clip Dragging wrong with SNAP = Off                                        |
|              | Text Field of Info clip loose width while resising                         |
|              | Improved Grid Snapping for Events/Cursor                                   |
|              | Improved Clip dragging                                                     |
|              | Copy Clips while dragging not working                                      |
|              | Volume-Fader Color of MIDI Tracks is wrong (should be orange)              |

# VST Live Pro 2.2.52

## July 2025

This version contains the following improvements and issue resolutions.

### Features

| Area        | Issue                                               |
|-------------|-----------------------------------------------------|
| App         | „Layer Input Transformer“Entry to Main Menu (Layer) |
| Connections | Input MIDI Transformer                              |
| Layer       | Input MIDI Transformer                              |
| Parts       | Restore Mixer States                                |
| Mixer       | Added OFF Unit to MIDI Channels                     |
| Track       | MIDI Channel Value Display                          |
|             | Added OFF Unit to MIDI Channels                     |

### Issues resolved

| Area    | Issue                                                     |
|---------|-----------------------------------------------------------|
| Actions | Categories not sorted                                     |
|         | Various Actions (like Marker1) not working                |
| App     | Last Folder-Path after Export Song Project not remembered |
|         | Improved Performance                                      |
|         | CPU spikes                                                |

|            |                                                                     |
|------------|---------------------------------------------------------------------|
|            | Improved "Start Next Song and Record"                               |
|            | Missing Local After Song Change                                     |
|            | Panic Short is Default "Ctrl + Esc"                                 |
|            | Import MediaProject for events wrong                                |
|            | Improve Performance while Switching Songs, Parts ...                |
|            | Improve Crackle while Swicthing Songs, Parts                        |
|            | Multi Processing Crash                                              |
|            | Crackles while switching parts                                      |
| DAWproject | Import of MIDI Events not correct when Clip has Offset              |
| Layers     | MIDI Volume not possible to reset to OFF with Connected MIDI Tracks |
| Mixer      | Lost name for Main Channel                                          |
|            | Stereo Channel channel position not restored                        |
|            | Improved Sends                                                      |
|            | Main Channel restored wrong values                                  |
|            | Lost Sends                                                          |
| Metronome  | Save/Restore Pre-Count settings                                     |
| Modules    | Video from Media Player can crash                                   |
|            | Media Player Crash on Exit                                          |
| DMX        | DMXIS device offline for DMXIS Plug-Ins                             |
|            | DMX Devices not working on Windows                                  |
| Plug-Ins   | Missing plug-in on reload Project (VST2-Machine)                    |
| Stacks     | Output Action not working second or higher Insert Enable            |
| Tracks     | Freeze after Track Recording                                        |



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New Clip from splitted clips is silent

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Placed Media Files not playing

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Improved DMX Engine Playback Performance

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Splitting MIDI Clips results in doubled midi events

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Info Message for Video Multi Threading

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Clip Offset wrong

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Missing events with different tempo

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Wrong Undo after project load

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Removed Fader from Automation Track

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Automation Track events wrong

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Improve Track Playback

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Dragged Clips To New Track not working

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Splitting Parts of Song-Track not working

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Menu-Entries of Automation-Values are not complete

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Missing MIDI Notes on Clip-Start with various Tempo

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Track Player not updated when Clip content changed

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Video File preloading takes too long

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Info-Line for MIDI Clips does not update when tempo has changed

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MIDI Import length wrong

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Improved loading time

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Error-Message for Images

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# VST Live Pro 2.2.30

## May 2025

This version contains the following improvements and issue resolutions.

### Features

| Area        | Issue                                      |
|-------------|--------------------------------------------|
| Actions     | MIDI Out for Actions                       |
|             | Bypass Controls for Layer and Stacks       |
|             | Save/Load of Categories                    |
|             | "Reset All" Control                        |
| App         | Preload Songs to Menu                      |
|             | Export Audio                               |
|             | Edit Bars                                  |
|             | Color Schemes                              |
|             | "Retarget Media Files" to Main-Menu        |
|             | "Save New Version" to Main-Menu            |
| Layer       | Bypass Control                             |
|             | Show Active Output in Menu                 |
|             | Audio-Peak and MIDI-Leak to Volume Display |
|             | OCTAVE and TRANSPOSE automatable           |
| MIDI        | Reset MIDI Devices                         |
| Preferences | "Automatic Versioning on Save"             |

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| Stacks       | Bypass Control                                                       |
|              | Volume-Edit-Display and Peak-Info to SEND Controls and Volume Faders |
| Time Display | Always on Top Mode                                                   |
| Tracks       | Show Active MIDI Track Output in Menu                                |
|              | Find Missing File Dialog                                             |
|              | Show List-Value in Automation Editor                                 |
|              | Import Tempo and Signature Track from MIDI File                      |

#### Issues resolved

| Area    | Issue                                                     |
|---------|-----------------------------------------------------------|
| Actions | Remember last selected Category Tab                       |
|         | Improved "Zoom To All"                                    |
|         | Improved Project Actions                                  |
| App     | Sends can crash application while switching between Songs |
|         | Rare crash with Preload                                   |
|         | Rare Freeze On Exit                                       |
|         | Wrong Preload Window Title                                |
|         | Virtual Audio is Default Audio Output                     |
|         | Avoid Transport Locate while Song Change                  |
|         | Wrong Project Name with "Save Archive"                    |
|         | Missing Window Title for Video Views                      |
| Chords  | Wrong Event Position after Signature has changed          |

|             |                                                                         |
|-------------|-------------------------------------------------------------------------|
| Chords      | Beat Button not working with various Signatures                         |
| Connections | Remember last Selected Tab                                              |
|             | Lost Ports while changing Audio Devices                                 |
| DAWproject  | Events of Signature Track not imported                                  |
|             | DAWproject Import wrong for MIDI Clips with Multi Tempo events          |
|             | Wrong MIDI Event Positions with DAWproject import                       |
| Hub         | Project name with dots not correctly                                    |
| Layer       | Shared Layer unloaded while in use                                      |
|             | OCTAVE Edit Control not selecting current text on double click          |
|             | Missing Chased Events on Locate                                         |
|             | Not possible to select only one note in Keyzone                         |
|             | MIDI Send although NOT SET                                              |
|             | Rare Lyrics events not saved                                            |
| Lyrics      | Update Marker Color after Track Color has changed                       |
| Metronome   | 6/8 not working                                                         |
|             | Wrong Tooltips for MIDI-OUT, NOTE-LOW and NOTE-HI                       |
| Mixer       | Crash with Send Usage                                                   |
|             | Fixed Plug Processing if Send is connected to OUT Channel               |
|             | DoubleClick to edit Volume Display not selecting text                   |
|             | Next Send Slot not visible                                              |
|             | Send dB Display not editable                                            |
|             | PAN Edit Control not selecting current text on double click             |
|             | Instrument Channels always routed to Song Channel while switching Tunes |

|             |                                                                      |
|-------------|----------------------------------------------------------------------|
| Mixer       | Rare Buzz-Noise                                                      |
| Parts       | Improved Trigger Time while changing tempo                           |
| Plug-Ins    | Visual MIDI Learn not working for Quick Controls                     |
|             | Instrument "Serum 2" UI flipped (Mac Only)                           |
|             | Some Quick-List Values not shown                                     |
| Preferences | Remove Song End Action                                               |
| Setlist     | Improved coloring of Signature/Tempo Display for unselected Songs    |
| Stacks      | CHANNEL VOL + PAN Control not selecting current text on double click |
|             | Faders not transparent to see Meter behind                           |
|             | Break Out Window has wrong Title                                     |
|             | Crackles while switching Parts/Songs                                 |
| Tracks      | Fade In/Out not working for Images                                   |
|             | Improved Midi Playback                                               |
|             | "Open Editor On Activation" not working for Instruments              |
|             | Some WAVE Files can not imported - Mac Only                          |
|             | Visibility of Small Track Meter to late while zooming                |
|             | Missing Frame Update for Video Player                                |
|             | MIDI Out not always updated                                          |
|             | Signature Events not updated after Tempo had changed                 |
|             | Instrument Tracks are always routed to Song Channel                  |
|             | Missing Notes with 16th                                              |
|             | Keep Cycle Marker while editing tempo                                |
|             | Opened Inspector Sections lost after Reload Project                  |

## Chase Event Bugs while switching Tunes

|                                                            |                              |
|------------------------------------------------------------|------------------------------|
|                                                            |                              |
|                                                            |                              |
| Tracks                                                     | Lost Ports                   |
|                                                            |                              |
| Missing Undo Point after selecting Audio Channel Output    |                              |
|                                                            |                              |
| Program Change Editing not working                         |                              |
|                                                            |                              |
| Clip End Editing of Infoline not working                   |                              |
|                                                            |                              |
| Avoid RTZ with Start Offset                                |                              |
|                                                            |                              |
| Improved Performance with video tracks                     |                              |
|                                                            |                              |
| Missing Undo Point after selecting Stack as Track Output   |                              |
|                                                            |                              |
| Text Duration editing in MIDI Editor not working           |                              |
|                                                            |                              |
| 12/8 Signature Event not readable                          |                              |
|                                                            |                              |
| Undo/Redo not working for Track/Stack connections          |                              |
|                                                            |                              |
| Crash with unsupported video file                          |                              |
|                                                            |                              |
| Automation Clip-View always start at Bar 1 while recording |                              |
|                                                            |                              |
| Transport                                                  | Bar:Beat Editing not correct |
|                                                            |                              |
| Rare wrong Signature after switching tunes with auto jump  |                              |
|                                                            |                              |

# VST Live Pro 2.2.10

## February 2025

This version contains the following improvements and issue resolutions.

### Features

| Area        | Issue                             |
|-------------|-----------------------------------|
| Preferences | Chase Events DMX/MIDI             |
| Tracks      | Chase Type for DMX/MIDI Inspector |

### Issues resolved

| Area         | Issue                                          |
|--------------|------------------------------------------------|
| App          | Crackles with Multi Processing                 |
|              | Crash On Exit                                  |
| Media Player | Rare Crash hile Video Player                   |
| Parts        | Trigger Time wrong with various Tempo Events   |
|              | Trigger Bar:Beat not always restored correctly |
| Plug-Ins     | Missing Global installed Presets               |
|              | Missing Header (macOnly)                       |
| Tracks       | Wrong Bar:Beat with various Tempo Events       |
|              | Chords Event to Chords Visualizer              |

MIDI/DMX Undo not always not working

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Automation for saved Layer-Rack-Channel+Plug-Ins

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Wrong Bar:Beat with various Tempo Events

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# VST Live Pro 2.2

## February 2025

This version contains the following improvements and issue resolutions.

### Features

| Area       | Issue                                              |
|------------|----------------------------------------------------|
| Actions    | "Global Solo", "Global Mute" to "Project" Category |
|            | Module and GlobalModule and Quick Actions          |
|            | Added Monitor/Record controls to Channels          |
| App        | Show CPU Target while start-up (mac only)          |
|            | New "Part End" Menu entry                          |
|            | MTC Input                                          |
|            | Time Display                                       |
|            | Media Player Module                                |
| DAWproject |                                                    |
|            |                                                    |
| Flex Loops | Preference "Part Duration For Flex Loop"           |
| Lyrics     | Shift Selection                                    |
| Metronome  | MidiPort, Low/Hi Notes                             |
| Modules    | Show only needed Media Widgets                     |
| Mods       | Send Songs/Parts to Mods application               |

Preferences "Sort Part Triger" to Studio

TRACKS category

Song Actions Added Action Value

Tracks Color Picker for Folder Tracks

VU Meter to Track Header

Insert-Enable Parameter of Audio Channel to Automation Track

Added Solo/Mute control to Track-View headers

## Issues resolved

| Area                          | Issue                                                         |
|-------------------------------|---------------------------------------------------------------|
| Actions                       | Data Offset not always applied                                |
| App                           | Improved Start-Up time while checking license                 |
|                               | Crash while "Save Archive..." when Module were deleted before |
|                               | Save/Load Dialog disappears (mac only)                        |
|                               | Save Archive missing recording files                          |
|                               | Last Song in Project can be deleted                           |
|                               | Improved MIDI Clock precision                                 |
|                               | Audio Send can have feedback                                  |
|                               | Main mixer Recording not stored to Assets Folder              |
|                               | Improved Audio Engine                                         |
|                               | Flex Loops Improve Engine                                     |
| Focus Control Text is missing |                                                               |

|              |                                                                  |
|--------------|------------------------------------------------------------------|
| Layer        | Unwanted (invisible) Multi MIDI Inputs                           |
| Lyrics       | Lyric Text not dependent to Duration                             |
|              | Short Notation not restored                                      |
|              | Chord View Size not saved and restored                           |
|              | Ctrl-Key-Event not working with Lyric-Event Selection            |
|              | Improved wrong Lyric Event Position while changing Songs         |
|              | Chords Display does not update position when Tempo changed       |
|              |                                                                  |
| Metronome    | Wrong with Flex-Loop for Tempo changes                           |
| MIDI Monitor | Missing MTC Messages                                             |
| Mixer        | Mute/Solo Output Noise while SEND Targets and Buses are the same |
|              | Audio Send Audio Buffer not cleared                              |
| Modules      | Names not stored                                                 |
| MIDI         | Improved MIDI Port usage (macOS only)                            |
|              | Missing MTC messages (Mac Only)                                  |
| Notes        | Changed Default SaveAs Extension to HTML                         |
| Parts        | Duplicated Parts can result in crash                             |
| Plug-Ins     | Quick Control not handling values with 2 entries correctly       |
|              | MIDI-CC not working correctly                                    |
|              | Audio Output distorted if Multi Channels activated               |
|              | USM view not resized correctly                                   |
|              | Improved UI scaling (windows only)                               |
|              | Connected MIDI Input lost on Reload                              |
|              | MIDI-CC transfer not always working                              |
|              |                                                                  |

## Crash with Roland D-50

|                                                               |                                                             |
|---------------------------------------------------------------|-------------------------------------------------------------|
|                                                               |                                                             |
| Songs                                                         | Duplicated Song will not copy Song-Groups are Song-Settings |
| Stacks                                                        | Rare Crackles                                               |
| Lost Track connection for Global Stacks                       |                                                             |
| FX2 Plug-In not automatable                                   |                                                             |
| Tracks                                                        | Some Audio Clips are silent on Start                        |
| Prevent Freeze while Song Switches                            |                                                             |
| Freeze while Video Playback                                   |                                                             |
| Improved Cycle Playback                                       |                                                             |
| Part-Clips shown as "Media Offline"                           |                                                             |
| Automation Events with same time not delivered to destination |                                                             |
| MIDI Notes stucked                                            |                                                             |
| MIDI SysEx Delay problems                                     |                                                             |
| MIDI Tracks not available for Automation Tracks               |                                                             |
| Dropped Media Files have wrong start and fade out times       |                                                             |
| Some Lyrics Events are not shown Lyrics Track                 |                                                             |
| Automation Assignments while Track is not in Record Mode      |                                                             |
| Input/Output Port lost whily copy/paste Audio Track Channel   |                                                             |
| Import of MIDI file with new track not working                |                                                             |
| Inserts change Volume level                                   |                                                             |
| Rare Automation assignment lost on reload project             |                                                             |
| MIDI Plug-In not resized correctly (windows only)             |                                                             |
| Crash while changing Tracks                                   |                                                             |

## VST Live Pro 2.1.21

### November 2024

This version contains the following improvements and issue resolutions.

### Features

| Area        | Issue                                        |
|-------------|----------------------------------------------|
| Actions     | Added Flex-Loop On/Off                       |
| App         | Keep Global Channels alive while Song Switch |
| App         | Add 8 Audio Sends Slots                      |
|             | Add 8 Audio Sends Slots                      |
|             | MIDI and DMX I/O Meters                      |
| Layer       | Added SysEx Control                          |
|             | Added Invert to Controller Map               |
| Preferences | Added Time Control to Delay SysEx Messages   |
|             | Controller Tracking for MIDI                 |
|             | Added "Chase Pedal Event" to MIDI            |
| Stacks      | Added Menu-Checkmark to connected Source     |
| Tracks      | Added Input Channel to MIDI Track            |

## Issues resolved

| Area        | Issue                                                                  |
|-------------|------------------------------------------------------------------------|
| Actions     | Send Enable not working correctly                                      |
|             | Rare crash with missing midi devices                                   |
|             | Lost Keyboard Events when Text-Editing was active                      |
| App         | Improve Virtual Audio connections                                      |
|             | Fixed crash on Project load                                            |
|             | Improved context-menu style (windows)                                  |
|             | No Audio when no Audio Input available (mac only)                      |
|             | Various Crashes while changing audio device                            |
|             | Noise with Virtual audio when audio device or settings will be changed |
|             | Port-List wrong after Audio driver change                              |
|             | Feedback noise after Audio driver change                               |
|             | Improve Audio Buffer for Mute-Action                                   |
|             | Missing blank in MIDI Controller menu                                  |
|             | Some Audio Ports missing Port-Number                                   |
|             | Improved DMP creation for Windows                                      |
| Chords      | Missing Chord Editor Slash/Hash updates                                |
|             | Hash-Setting lost when switching views                                 |
| Component   | Missing Instrument Track for Exporting to Cubase/Nuendo                |
| Connections | Wrong Audio Ports names                                                |
| Flex-Loop   | While Flex-Looping jump to first parts fails                           |

Deactivate Transport Cycle when FlexLoop will be activated

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| Layer       | SysEx not working                                                         |
| Lyrics      | Wrong Lyrics Time Positon while changing Songs                            |
| Metronome   | Crash with Pre-Roll                                                       |
| MIDI        | Improved MIDI Output for duplicated events                                |
|             | Monitor Window improvements                                               |
| Mixer       | Menu execution wrong                                                      |
|             | "Apply Channel order to All" not always working                           |
| Part        | No Part Change when only First Part has Trigger                           |
| Plug-Ins    | Rare Crahes while removing Plug-Ins                                       |
|             | Crash while removing Plug-In with a big Audio Buffer Size                 |
|             | Plug-In changes do not make project dirty                                 |
|             | "Open Editor On Activation" not working with Auto-Preload                 |
| Preferences | Improved Layout                                                           |
| Stacks      | Recorded Track Channel not playing                                        |
|             | Sends not working after song changed                                      |
| Tracks      | Audio Crackle with Sample Rate Conversion                                 |
|             | Crash while splitting Part-Clip                                           |
|             | Video jitter with high Audio Buffer Size                                  |
|             | Reset Audio Track Output to Stack when another Track routed to that Stack |
|             | Duplicate Audio Track to Stack will not reset source Audio Track Output   |
|             | Copy/Paste Audio Track will always routed to Song Channel                 |
|             | Sampler Track Name in Inspector not left aligned                          |

Automation Track I/O Ports not updated when port will be destroyed

Video Overlay crash

File-Drag operation only allowed for supported channel

No Audio Channel Recording when Monitor is off

No Recording at 1.1 when Pre-Roll is active

Automation not working for FX Send of Audio-Channel

Automation I/O not reset after <nc> selection



# VST Live Pro 2.1.10

## October 2024

This version contains the following improvements and issue resolutions.

## Features

| Area   | Issue                                                     |
|--------|-----------------------------------------------------------|
| App    | Menu Option to reduce duplicated events of selected Clips |
|        | Lane Editing for Automation List Editor                   |
| Mixer  | 'Remove Channel' to Context Menu                          |
| Lyrics | Chord Display                                             |
| Video  | Added Overlay                                             |

## Issues resolved

| Area    | Issue                                                              |
|---------|--------------------------------------------------------------------|
| Actions | 'Last Part Action' not working                                     |
| App     | UI controls not updated after Project-Load with Auto-Preload       |
|         | Visual Layer and Stack modules are cut of at the bottom            |
|         | Panic will result in crash when MIDI Output devices are configured |

|             |                                                             |
|-------------|-------------------------------------------------------------|
|             | MIDI Panic not resetting MIDI Controllers                   |
|             | Tune Load/Save not working with Shared Instruments          |
|             |                                                             |
| App         | Tune Load/Save not working with Shared Instruments          |
|             | Crackle with Audio Channel Volume Changes                   |
|             | Save Project not working correctly with open Plug-In Editor |
|             | Save Audio Driver after switch to new driver                |
|             | Display of MediaBay Items wrong when file contains '.'      |
|             | Crash while Changing Tunes                                  |
|             | Missing Dialogs for macOS                                   |
|             | Improved Mute Control Fade                                  |
| Connections | Same MIDI Devices need unique names (Output)                |
| Flex Loops  | Wrong Time Display for TC                                   |
| HUB         | Driver change will inform about missing MAIN Port           |
| Inserts     | Improved ON/OFF Audio Crackle                               |
| Layer       | MIDI SysEx Messages are blocked                             |
|             | SysEx Data not working                                      |
|             | Input Channels dialog crash when selected Part has no Layer |
| MIDI        | MOTU Midi Express 128 not working for Output                |
| Mods        | Improved communication                                      |
| Parts       | Renamed Parts sometimes not transferred to Song-Clip        |
|             | Auto Trigger not working                                    |
| Stacks      | FX-Channels broken                                          |
| Tracks      | Lower Zone Editor not follow global time scale onInit       |

|        |                                                                      |
|--------|----------------------------------------------------------------------|
|        | Song Info has wrong Time Display for TC                              |
|        | Automation wrong for Stack Input/Output                              |
| Tracks | Automation Chased Events not working on Location = 0                 |
|        | Audio/Video Hickup at clip boundaries                                |
|        | Audio Track Channel Mute State will result in sync problems          |
|        | MIDI Velocity changes in Editor not added to Undo Stack              |
|        | MIDI Velocity changes not delivered to Track Player                  |
|        | Chased events of MIDI Track send twice                               |
|        | Improved MIDI/DMX/Video Engine Performance                           |
|        | Fixed Crash with Video Playback                                      |
|        | Automation for Global Part Assets lost on Project Reload             |
|        | Automation I/O devices lost on Project Reload                        |
|        | Snap and Grid Controls States of Editors lost on Project Reload      |
|        | Link Control State of Automation Track lost on Project Reload        |
|        | Improved Audio Reset                                                 |
|        | Improved Audio MP Performance                                        |
|        | Reduced Event Creations while Editing with Draw Tool in Editors      |
|        | Missing Resize Handle for new Clips created with a Mouse DoubleClick |
|        | Event Editors not always in sync with project length                 |
|        | Event Editors not follow clip selection after clip was duplicated    |

# VST Live Pro 2.1.0

## August 2024

This version contains the following improvements and issue resolutions.

## Features

| Area        | Issue                                  |
|-------------|----------------------------------------|
| Actions     | Right Click to Clear Categories        |
|             | Tabs of Central View                   |
|             | MIDI Panic                             |
|             | Global Layer Octave/Transpose          |
| App         | Automation List Editor                 |
|             | Interpolation with Volume Changes      |
| DMX         | DMX Setup                              |
|             | DMX Monitor                            |
|             | Virtual DMX Cable                      |
|             | Compensate Track Inserts Delay         |
| Layer       | Added Mute Automation Parameter        |
|             | Global Visual Octave/Transpose Control |
| Preferences | Global Octave Control for Layer        |

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| Tracks | Copied events will be pasted at selected Channel                |
| Tracks | Fade-Out On Stop                                                |
|        | Track Delay for Video Track                                     |
|        | Added Track Delay                                               |
|        | Added Brightness, Contrast and Saturation Params to Video Track |
|        | Improved Inspector Design                                       |

## Issues resolved

| Area    | Issue                                                        |
|---------|--------------------------------------------------------------|
| Actions | Lost Actions (macOS only)                                    |
|         | MIDI Learn : Note Range for Note On not correct              |
|         | Quick Controls not working for Layers                        |
|         | Clear Categories not working                                 |
|         | Project Actions broken                                       |
|         | Select Song broken                                           |
|         | SysEx Handling not correct                                   |
| App     | Export Assets of Global Modules for Archive not working      |
|         | Crash On Quit with loaded Modules                            |
|         | Create Archive will copy VST Viewer Assets                   |
|         | Show Dialog loose main view focus                            |
|         | Crash On Quit with various Plug-Ins                          |
|         | Info dialog not displayed after "Save Archive..." (mac only) |
|         | Preload is not working                                       |

## Multiple Lyric Entries from Imported MIDI File

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| App           | Missing MinSize for Actions Window                                   |
|               | Preload Start Control disabled                                       |
|               | Various Multi-Processing problems                                    |
|               | Multi Processing not working or result in crash                      |
|               | Wrong Project Path while selected different Folder in HUB            |
|               | Improved Multi Processing                                            |
|               | Multi Processing always active when MTC was active                   |
|               | Show Missing Instruments while loading project                       |
|               |                                                                      |
| Components    | Bypass State of Audio Inserts Plug-Ins not transferred               |
| Chords        | Improved HiLite Color                                                |
| DMX           | None Eurolite interfaces not working correctly                       |
|               | Enttec USB Pro not working for first channel                         |
| Flex Loop     | Start problems while switching part                                  |
| Focus Control | Width/Height Attributes not working                                  |
| Layer         | Global Octave is not working                                         |
|               | Audio Metering not working                                           |
|               | Missing Tooltip of ZONE control                                      |
| Lyrics        | Event Info wrong with Time Signature other than 4/4                  |
|               | Break-Out Window content not updated while tempo changes             |
| Metronome     | Rare Muted Metronome on Restored Projects                            |
|               | Global Part Channels (Layer, Stack) not routed to Song Group Channel |
|               | Rare Crash while reloading project                                   |

|             |                                                                |
|-------------|----------------------------------------------------------------|
| Modules     | Copy, Paste, Duplicate not working                             |
| MIDI        | Port Output activation not correct (windows only)              |
| MIDI Editor | Resize events not working with disabled Snap Control           |
|             | Ghost notes creation on some operations                        |
| Mixer       | Plug-In Inserts not always working                             |
|             | Global Layer Routing to Song Groups with same names            |
| Part        | Part Selection not working with active FlexLoop                |
|             | Old Project Format not updating Triggers                       |
|             | Insert Paste Part after selected Part                          |
|             | First Part Trigger is not working                              |
|             | First and Last Part not working with Flex Loop                 |
|             | Trigger not working                                            |
|             | Select Part Action not working                                 |
|             | GLOBALS control active without Global Part                     |
|             | Missing Tooltip of GLOBALS control                             |
| Plug-Ins    | Audio Noise while Enable/Disable Insert Plug-Ins               |
|             | Improved Resizing                                              |
| Tracks      | Paste of copied events not working on global Break Out Editors |
|             | DMX event editing not applied while Transport stopped          |
|             | First created DMX event with mouse has value of 0              |
|             | Draw-Tool in Editor not working while mouse-move               |
|             | Improved Audio-Engine                                          |
|             | Fixed Video Crash                                              |

Drag Icon wrong while dragging Tracks

|        |                                                                          |
|--------|--------------------------------------------------------------------------|
|        |                                                                          |
| Tracks | Alt/Ctrl Key Event not working to copy dragged Tracks                    |
|        | Audio Crackle while Playback                                             |
|        | Multi Processing Crashes                                                 |
|        | Automation I/O lost for Plug-In Inserts on Restore                       |
|        | Copy/Paste not working for Automation Editor                             |
|        | Line Tool for Automation Editor not working                              |
|        | Missing events (first events)                                            |
|        | Automation Editing not working in Info Line                              |
|        | Song Track not correct with old Project Format                           |
|        | MIDI Clip Images not updating for new Controller events                  |
|        | DMX Multi Universe not working for ArtNet Output                         |
|        | Clip Splitting sometimes wrong                                           |
|        | Info Line rounding error                                                 |
|        | Active DMX Monitor Control generate too much events when I/O is the same |
|        | Relaxed DMX Engine for Playback and Recording                            |
|        | Not all DMX Events are delivered to Destination                          |
|        | Wrong Wave Clip Drawing after Multi Recording                            |
|        | Routing problematik when channels have same names                        |
|        | Fade In/Out not working for Video Clips                                  |
|        | Improved Time while switching Songs                                      |
| Views  | Crash when Offset-Control has focus                                      |



# VST Live Pro 2.0.20

## June 2024

This version contains the following improvements and issue resolutions.

### Features

| Area   | Issue                                                      |
|--------|------------------------------------------------------------|
| App    | 'Select Last Part' and 'Select First Part'                 |
|        | Added 'Next Song and Record'                               |
|        | SysEx Editing                                              |
| App    | Multi-Processing                                           |
|        | Option 'Copy All Media Data' for 'Save Archive'            |
|        | Menu Entry for 'Select First Part' and 'Select Last Part'  |
|        | Media File List                                            |
|        | SysEx Learn                                                |
| Flex   | Snap Control                                               |
| Layer  | Option/Drag keyzones applied to all similar project layers |
| Part   | Long names use multi-line                                  |
| Stack  | More Automation Parameter                                  |
| Tracks | Added ProgramChange Editor to MIDI Editor                  |
|        | Chase SysEx and Automation Events                          |

## Issues resolved

| Area          | Issue                                                             |
|---------------|-------------------------------------------------------------------|
| App           | Improved MTC                                                      |
|               | Improved MediaProject Import for Chords wrong with "Create Songs" |
|               | Improved MediaProject Import for wrong Timing with "Create Songs" |
|               | Improved MediaProject Import for doubled Sub Tracks               |
|               | Import of Tempo/Signature Track for Media Projects wrong          |
|               | Missing UTF-8 Support for Exported Lyrics and Playlist            |
|               | Improved Duplicate Name-Schemes for Parts, Songs and Tracks       |
|               |                                                                   |
| Actions       | RTZ not working                                                   |
| Component     | Missing Folder Track Import                                       |
|               | Missing Copy Audio File to Cubase/Nuendo project folder           |
| Focus Control | Key-Events not working always                                     |
| List-Editors  | Showing 0 or 1.1.1 for all events                                 |
| Mixer         | Missing Scrollbar for Project List Order                          |
|               | Visibility ignores "Instrument Channels takes Layer name" setting |
|               | User Order wrong while switching songs                            |
|               | Channel Ordering wrong                                            |
| Part          | Play Control not updated if Trigger changed                       |
|               | Triggers wrong when changed                                       |
|               | Improved Duplicate Name-Schemes                                   |
| Setlist       | Rename song shows wrong Title for Input Dialog                    |
|               | Song should have unique name                                      |
| Song          |                                                                   |
|               | Mixer Order State not copied for duplicate Songs                  |

|        |                                                                     |
|--------|---------------------------------------------------------------------|
| Tracks | ProgramChange Editing in Info Line wrong                            |
|        | Clip position wrong while switching songs                           |
|        | Missing First Events for MIDI/DMX tracks while switching Songs      |
|        | Missing Audio Signal of Start while switching Songs                 |
|        | Improved Video Playback                                             |
|        | Audio Clip Image wrong with offset                                  |
|        | Missing MIDI-VU for SysEx events                                    |
|        | Missing Events+Audio with activated PreRoll                         |
|        | Show Program Change and SysEx in MIDI Editor Info Line              |
|        | DMX Event cannot changed while mouse press event                    |
|        | Wrong Video views                                                   |
|        | Offset in Info line of MIDI Editor not showing "-" negative values  |
|        | Automation events not updating params on locate (Chase)             |
|        | Select SysEx event in MIDI editor does not update Info line         |
|        | DMX Input/Output ports not restored on load project                 |
|        | Wrong stretch for portrait sources                                  |
|        | Video rgb shift with uneven width                                   |
|        | FadeOut in Info line is wrong                                       |
|        | Clip display not in sync with global time setting on reload project |
|        | Automation Inputs/Outputs not always selectable                     |
|        | Crash while copy Video Track                                        |
|        |                                                                     |
|        | Automation Send Parameter not working for Audio Channels            |
|        | Improved DMX Playback                                               |

Fixed Crash with Audio Playback with (copied) long audio files

---

Cycle not working

---

Wave Drawing lost while zooming

---

Reset Editor Infoline when clip or event will be destroyed

---

SysEx Output wrong

---

Splitting for MIDI Clips not working

---

DMX Events wrong

---

## VST Live Pro 2.0.10

### May 2024

This version contains the following issue resolutions.

#### Issues resolved

| Area        | Issue                                                   |
|-------------|---------------------------------------------------------|
| App         | Crash on Quit                                           |
| Chords      | C-Chord Button selected while clicked to empty area     |
| Connections | Lost communication after using <nc> (DMX/MIDI)          |
| FlexLoop    | Loops not activated while reloading Project             |
|             | Missing Loop Activation                                 |
|             | Loop and Jump Improvements                              |
|             | Looping not working anymore after Stop                  |
|             | Sometimes out of sync                                   |
|             | Missing MIDI Notes while looping                        |
| Layer       | Improved Engine while changed Part Params while looping |
|             | Controller Enabled is missing                           |
|             | Controller can only be selected up to #17               |
|             | Remember last position of Plug-Editor not working       |
| Metronome   | Beep Sounds wrong with various Tempo Events             |
|             | PreRoll wrong with multi Tempo Events                   |

|          |                                                               |
|----------|---------------------------------------------------------------|
| MIDI     | Midi Monitor ignoring events                                  |
| Mixer    | Part Order not working while switching parts                  |
|          | Beat Channel Color wrong while creating Beat                  |
|          | Part Ordering not working on Reload                           |
|          | Missing Insert Slots for MIDI Channels                        |
|          | Wrong Insert/Send Color States                                |
| Modules  | Position of editor not saved while Editor is visible          |
| Parts    | Auto-Show Editor for Global Part not working on Reload        |
|          | Remove last position of Plug-Editor not working               |
|          | Flex Loop not working for First Part                          |
|          | Loop Duration wrong after reload project                      |
| Plug-Ins | State lost when Plug-In not available                         |
| Tracks   | Clip length wrong while switching between Songs               |
|          | Missing locate to Start of Song while switching between Songs |
|          | Improved Video Playback                                       |
|          | Audio Drop Out while switching between Songs                  |
|          | Improved Video Looping                                        |
|          | Clip Events wrong while changing Tempo Events                 |
|          | Audio Start Delay while switching between Songs               |
|          | Fade In/Out not working for Video Clips                       |
|          | Clip Length changed while switching songs                     |
|          | Automation Link Control not restored                          |
|          | Automation input/output not connected on reload               |

|           |                                                                   |
|-----------|-------------------------------------------------------------------|
| Tracks    | Automation output editor button not push-style                    |
|           | Remove last position of Plug-Editor not working                   |
|           | Improved Video Engine Performance                                 |
|           | Undo/Redo not working for Automation Editor                       |
|           | Clip length not reloaded correctly while switching parts          |
|           | Line-Tool not removing old events when working from right to left |
|           | Crash-On-Quit with video tracks                                   |
|           | DMX/MIDI Input problem when connection has <nc> applied           |
|           | Wrong Index Number for Inspector Automation Parameters            |
|           | Horizontal Scroll missing in Automation Editor                    |
|           | Improved Track Icons                                              |
|           | Song Track not updated after Parts have moved                     |
|           | Split Tool for Parts not copying State from Source Part           |
|           | Default Automation-Row of Editor naming wrong                     |
|           | Improved DMX Playback                                             |
|           | Create Default Clip on double-click possible with Erase-Tool      |
|           | Switching between different Input-Bus not possible for DMX Tracks |
|           | Vidio Display not updated while resize                            |
| Transport | Remove Double-click for Stop/Play button                          |

# VST Live Pro 2.0.0

## April 2024

This version contains the following improvements and issue resolutions.

### Features

| Area        | Issue                                                      |
|-------------|------------------------------------------------------------|
| Actions     | On/Off and Inside Controls, Data Invert                    |
|             | Multi Actions for same controller                          |
|             | Layer Output Channel                                       |
| App         | Flex Loop                                                  |
|             | Added Preload Cancel Button                                |
|             | Hold Preload Dialog                                        |
|             | Peak Hold for CPU Meter                                    |
|             | Improved Visual Main Channel Recording Control             |
| Connections | Allow removing stored hardware connections with ctrl-click |
| Chords      | Restore Edit Mode editor with project                      |
|             | Added Visual Transpose                                     |
| Layer       | Added Clock Filter                                         |
|             | SysEx Filter                                               |



|            |                                              |
|------------|----------------------------------------------|
| Lyrics     | Export Lyrics to Text File                   |
| LTC        | Low Pass Filter                              |
| Mixer      | Index Number for Song Group Channel          |
| Modules    | Focus Control                                |
| Preference | "MIDI Reset Controller" Preference           |
| Setlists   | Export Playlist Text with Song Duration      |
| Tracks     | Song Track                                   |
|            | Automation Track                             |
|            | Built-In DMX Plug-Ins                        |
|            | Built-In MIDI Plug-Ins                       |
|            | Visual Transpose Control for Chord Inspector |
|            | Fader and Peak Display to Inspector - Fader  |

#### Issues resolved

| Area    | Issue                                                                        |
|---------|------------------------------------------------------------------------------|
| Actions | Port Changes not working                                                     |
|         | Double messages for Actions in MIDI Monitor                                  |
| App     | Improve Info message when Audio driver could not be loaded                   |
|         | Audio tracks of imported (Cubase/Nuendo) projects not routed to song channel |
|         | Do not send MIDI Events while Preloading                                     |
|         | Autoload prevent to load vlproj with double click (windows)                  |
|         | Apply Start marker for all Songs                                             |
|         | Shortcuts only working when main window has focus                            |

Exit/Close problem when Video is running

|             |                                                                 |
|-------------|-----------------------------------------------------------------|
| Beat        | No sound when creating the first time                           |
|             |                                                                 |
|             | Auto Preloading not working                                     |
| Chords      | Reduce to 2 Bars not possible                                   |
|             | Edit Control on Break Out Window does not update main view      |
|             | Scrolling flickering with multiple Signature events             |
| DMX         | FTDi devices (ENTEC DMX USB Pro, OPEN DMX) not working          |
| Layer       | Zone editor range sometimes not editable                        |
|             | Unwanted Shared Layer with new Song                             |
|             | MIDI Automation sometimes not working while Part selection      |
|             | Solo/Mute Control of Shared Layer in different Part not working |
|             | Default Click to Pan Ctrl of Shared Layer not working           |
|             | Mute Control not working with Sustain Pedal                     |
|             | Shared Layers have wrong MIDI Pan/Volume while switching parts  |
|             | Missing Reset Controller MIDI Event for active MUTE             |
| Lyrics      | Select All Events not working while switching projects          |
|             | Dragging of Event with "&" character not working                |
| Metronome   | PreRoll for 2 BARS wrong                                        |
|             | Audio Glitches for RreRoll 1/4, 1/8, or 500 ms                  |
|             | Audio Glitches when enabled after Cycle Range                   |
| MIDI        | Remove sustain pedal reset if not pressed                       |
|             | Out Parts sometimes not working (windows only)                  |
| MIDI-Editor | Editor corrupted after deletion of all Clip-Events              |

## Some MIDI events not moveable

|          |                                                                         |
|----------|-------------------------------------------------------------------------|
| Mixer    | Group to Song Group connection lost after load                          |
|          |                                                                         |
|          | Global Channels routed to Song Groups not working while switching Songs |
|          | Global Sends routed to Song Groups not working while switching Songs    |
|          | Channel Sends not complete removed for <nc>                             |
|          | Solo/Mute problems while switching parts                                |
|          | Mute/Solo problems with Stacks                                          |
|          | Items of Part Order not updating Channels Names                         |
|          | Mute/Solo States sometimes wrong                                        |
|          | Remove Sampler Track from Mixer while switching songs                   |
|          | "Group Channel" icon lost on restored project                           |
|          | Lost routing from "Song Group" to "Song" bus on restored project        |
|          | Mute/Solo problems when Group routed to Group to Group to Group         |
|          | Song Channels lost routing while switching songs or on reload           |
|          | Mute/Solo problems for Groups routed to other Groups                    |
| Plug-Ins | Project Position reported wrong to 3rd party Plug-Ins                   |
|          | Project Cyle Start/Stop Position reported wrong to 3rd party Plug-Ins   |
|          | USM crash while creating                                                |
|          | Visual QuickControls for On-Off and List Controls not visible           |
|          | Visual Knob QuickControls not selectable                                |
|          | Multi Output not working for HALion Sonic                               |
|          | Save/Load Preset not working (windows)                                  |
| Setlists | Time Display wrong                                                      |

Delete Song sometimes not working

"Warn when activating Setlist" MessageId lost

Song      Locate Start Marker after activation

"Song Part Trigger" : Edit Trigger not always working

Time Display with TC Offset not correct

Tracks      Long clip names not shown correctly in Infoline

Closed DMX BreakOut Window will not reset BreakOut handle in Lower Zone

Selection Rectangle not working in MIDI-CC LANE Editor

Crash while removing Audiotrack and Insert-Plug-In Editor is visible

Missing Init-State for Tracks after load

Show selected MIDI Controller events in Infoline

Show Fade Controls of Infoline only for supported clips

Show Volume Control only for audio clips

Chase Events on Stop

Prevent Video Playback Deadlock

Remove events in Tempo Inspector destroys other tempo entries

Clip and Event Length of Infoline editing wrong with various tempo events

Missing MIDI Notes while cycle

Draw-Tool not working for MIDI Tracks imported from Cubase/Nuendo

DMX Image draws wrong events when clip has offset

Improved SamplerTrack and USM loading time

Visual Transpose not working for Chords events

Next/Prev Action not updating clip info

Some DMX events were missing while playback

---

Video sometimes not working with enabled Multithreading

---

Video Clips Transition not working

---

Improved Performance of DMX Playback Engine

---

Route Sampler Track on creation to Song Channel

---

Copy Multi-Selection for one track not working

---

Editor loose selection while splitting clip (DMX/MIDI)

---

MIDI Channel problem when Volume/Pan turns in OFF mode

---

Clips after 6 minutes not shown (MIDI/DMX)

---

Split events not working with Tempo Track and many events

---

## VST Live Pro 1.4.50 & VST Live Elements 1.4.50

**January 2024**

This version contains the following improvements and issue resolutions.

### Features

| Area      | Issue                                                            |
|-----------|------------------------------------------------------------------|
| Actions   | Editor Duplicate Selection                                       |
|           | Visual MIDI Learn for Quick Controls                             |
|           | Mixer Insert QuickControls                                       |
|           | Stack Insert Edit                                                |
| App       | Import/Export Menu                                               |
|           | Export Songlist as TXT File                                      |
| Beat      | New Active Control                                               |
| DMX       | Eurolite DMX512 Pro Support                                      |
| Editors   | Auto-Scroll Control (DMX/MIDI)                                   |
| Layer     | "Block All", "Block None" and "Reset" controls to Controller Map |
| Lyrics    | Undo/Redo/Select-All/Move actions                                |
|           | Changeable Stationary Cursor                                     |
| Metronome | New Active Control                                               |

|          |                                                                        |
|----------|------------------------------------------------------------------------|
| Modules  | Clip Text color sensitive                                              |
|          | Added Visual Input Meter                                               |
| Mixer    | Added "Song Group" Channels                                            |
| Notes    | Edit Mode control                                                      |
| Plug-Ins | Switches and List items for Quick Controls                             |
| Setlist  | Duplicate Song while dragging song                                     |
| Tracks   | Folder tracks can control Mute, Solo, Record and Monitor of Sub-Tracks |
|          | Rubberband for Mute-Tool                                               |
|          | Visual Clip while recording DMX events                                 |

## Issues resolved

| Area    | Issue                                                  |
|---------|--------------------------------------------------------|
| Actions | Visual MIDI Learn for Stack Inserts not working        |
| App     | Import/Export menu wrong (Windows only)                |
|         | MTC Immediate Jump                                     |
|         | Missing message while loading corrupted projects files |
|         | Improved panic                                         |
|         | Improved Tap Tempo                                     |
|         | Improved performance with many songs                   |
|         | Improved load project time                             |
|         | Performer Recorder always record audio with 48 kHz     |
|         | Last geometry not restored with next start (mac only)  |

New Song possible while Transport started

Load and close Project, without no change end in "Save Project" Dialog

Improve performance while switching songs

Beat      Lost Main Channel

Component      Exported Volume Fader of Cubase is wrong

DMX Editor      Do not update events while mouse is outside editor

Editors      Wrong Clip position when tempo has changed (DMX/MIDI)

Layer      Mute does not stop Sustain events

Pan for shared layers not working

Missing "One or more Layer MIDI Inputs ..." message

MIDI Volume wrong for shared layers in different parts

Visual artifacts in header

Visual "S"(hared) Icon not updated when last Shared was removed

Zones editor confused while global part selected

Mute, Solo, Volume and Pan are wrong while Shared used in different part

Missing Insert/Send when Layer will be pasted (shared)

Scrollbar visible, but not needed

List Editor      MIDI Channels menu from 0 – 15

DMX Editing not possible for value > 128

DMX Editing not possible for channels and universe

Lyrics      Stationary Cursor changes only work while Transport is running

Wrong Scroll position on showing view

Apply Color to Lyrics Track on creation



Ctrl+Click not resetting Active Color

|                                                                               |                                                      |
|-------------------------------------------------------------------------------|------------------------------------------------------|
| Metronome                                                                     | Crackle after Cycle                                  |
|                                                                               |                                                      |
| MIDI                                                                          | Possible Deadloop on Stop                            |
|                                                                               |                                                      |
| Blocked MIDI Output Port trouble port order (Windows only)                    |                                                      |
|                                                                               |                                                      |
| Improved MIDI Engine Performance                                              |                                                      |
|                                                                               |                                                      |
| Controller Map "Off" Text should be "OFF"                                     |                                                      |
|                                                                               |                                                      |
| Some Events are ordered wrong                                                 |                                                      |
| MIDI-Editor                                                                   | Size events to the left not working                  |
|                                                                               |                                                      |
| Horizontal Size cursor not updated                                            |                                                      |
| Mixer                                                                         | Song Groups not working on reloaded projects         |
|                                                                               |                                                      |
| Coloring lost after reloading project                                         |                                                      |
|                                                                               |                                                      |
| Insert Plug-Editor of Layer Channel are not closed while selecting other part |                                                      |
|                                                                               |                                                      |
| Visibility List and Part List wrong with hidden channels                      |                                                      |
|                                                                               |                                                      |
| Mixer Order wrong with hidden channels                                        |                                                      |
|                                                                               |                                                      |
| Invisible channel order not restored correctly                                |                                                      |
|                                                                               |                                                      |
| Lower Mixer not showing Layer name of Layer channel                           |                                                      |
|                                                                               |                                                      |
| No hint when saved Insert Plug-in was not loaded                              |                                                      |
| Modules                                                                       | Scrollbar visible, but not needed                    |
| Notes                                                                         | Floating window should update edit state on creation |
|                                                                               |                                                      |
| Time anchor in Stop/Locate not updated                                        |                                                      |
| Plug-Ins                                                                      | Missing Stereo Input configuration for some Plug-Ins |
|                                                                               |                                                      |
| Program Change not working                                                    |                                                      |
|                                                                               |                                                      |
| Plug-Ins not loadable when "Scan Plug-In On Start" is disabled                |                                                      |

|         |                                                                  |
|---------|------------------------------------------------------------------|
| Setlist | Remove "Warn when activating Setlist" message Id                 |
| Stacks  | Scrollbar visible, but not needed                                |
| Tracks  | <nc> lost for reloaded projects                                  |
|         | BarBeat Timedisplay wrong                                        |
|         | Imported Cubase Instrument Tracks not routed to Main Out         |
|         | Copy/Paste crash for DMX/MIDI Editor                             |
|         | Copy/Paste for DMX Events not working                            |
|         | No Clip creation possible for imported Cubase Instruments Tracks |
|         | Record Control not working for Folder Tracks                     |
|         | Audio Crackle with DMX tracks                                    |
|         | Folder height restriction                                        |
|         | Duplicate Track not working for unselected track                 |
|         | View not updated after "Import Song Project (TRACKS ONLY)"       |
|         | Chase Events not working with alternating and multiple channels  |
|         | Missing controller reset on stop                                 |
|         | Sustain Pedal should not be chased                               |
|         | MIDI Controller Editor not restored correctly                    |
|         | Missing Events while cycle                                       |
|         | Wrong audio file for multi audio recording                       |
|         | Missing Context menu for Folder and Lyric tracks                 |
|         | DMX Clip split not working                                       |
|         | Copy/Paste Tracks not always working                             |
|         | Copy Folder tracks not working at all                            |

Undo/Redo problem for Clips when events created in editor

Wrong MIDI events order for chased events

No MIDI Meter for Controller events

Deadlock with Transport Cycle ON

Root Note of Sampler Track not working

DMX Recording not working for first events

Sampler Track piano not working

Missing audio events for Playback

Struggle with many DMX/MIDI Events

Chased DMX events not working

Dragging of small clips not possible

Crosshair still visible after dragging

Improve DMX clips drawing

Paste Lyric/Tempo/Signature Track possible, but song already has a track

Pasted tracks lost track name

No hint when saved Insert Plug-in was not loaded

Transport      Display wrong after cycle

## VST Live Pro 1.4 & VST Live Elements 1.4

### November 2023

This version contains the following improvements and issue resolutions.

### Features

| Area    | Issue                                                         |
|---------|---------------------------------------------------------------|
| Actions | Option to control Actions with data value 0-63/64-127         |
|         | 'Select Song 128+' Action                                     |
|         | 'Extend Song' Action                                          |
|         | Value Data Offset                                             |
| App     | Moved 'Save/Load Viewsets...' to Edit Menu and VIEWS-Tab Icon |
|         | Tune Progress to Chords, Lyrics and Notes view                |
|         | Drag Part Presets to LAYERS and STACKS                        |
|         | Native File Dialog for Importing Media Project (mac)          |
|         | Option to save Media Assets for "Menu/Song/Save Song"         |
|         | 'MTC Follow Cursor' (Transport Preference)                    |
|         | Renamed menu entry 'Song End Action' to 'Song Actions'        |
|         | Chase MIDI events                                             |
|         | Video Offset                                                  |

## Inline Editing for Video Monitor Offset

|           |                                                       |
|-----------|-------------------------------------------------------|
|           | 'Auto-Load' for Video Views                           |
|           | 'Start Next Song' with Start Marker                   |
| App       | 'Set Start/End Marker' with single click to display   |
|           | 'Use Mouse-Wheel for Controls' Preference             |
| Bay       | Assets can be renamed with double-click               |
|           | Show possible drag tile destinations                  |
| Layer     | DoubleClick to edit MSB LSB PGM-CHG Controls          |
|           | Bus-Control                                           |
| Metronome | Precount                                              |
| Stacks    | Bus-Control                                           |
| Mixer     | Preference to show Layer- or Instrument-Name in Mixer |
|           | 'Project' and 'Part' Channel Order                    |
|           | Insert/Send Loaded-State to Channels                  |
|           | 'g/h' zooming controls to Mixer                       |
|           | OFF option to Volume/Pan controls of MIDI Channels    |
|           | Volume Fader Display                                  |
|           | Peak Display                                          |
| Tracks    | Timecode to Time Domains                              |
|           | Create Clip on Double-click between cycle range       |
|           | Loop Locators to MIDI/DMX editors                     |
|           | MIDI Length Adjustment                                |
|           | Chase Event On Start for MIDI and DMX                 |
|           | On Stop Behavior for DMX                              |

## Line Tool for MIDI/DMX Editors

|        |                                                     |
|--------|-----------------------------------------------------|
|        | MIDI-Controller Editor                              |
| Tracks | Controller visuals to MIDI Clips                    |
|        | MIDI Length Drag Editing in MIDI Editor             |
|        | Tempo editing for Tempo track                       |
|        | ArtNet Support for 16 DMX Universe                  |
|        | 'Start Marker' to TRACKS                            |
|        | Ctrl/Alt and mouse click to set Left/Right Locators |

## Issues resolved

| Area    | Issue                                                    |
|---------|----------------------------------------------------------|
| Actions | Source Offset not working                                |
|         | Shortcuts and MIDI Remote not working for Quick-Controls |
| App     | Improved touch controls                                  |
|         | Always locate to Start Marker                            |
|         | Rare crash while changing Songs                          |
|         | Improved Touch Controls for Layers and Stacks            |
|         | Import Media Project results in crash                    |
|         | Missing media files for 'Export Media Project'           |
|         | Solo/Mute not always working                             |
|         | Improved ASIO engine                                     |
| Beat    | Creation not possible                                    |
| Chords  | Stottering with too many chord events                    |
|         | Edit control not working                                 |

|           |                                                                            |
|-----------|----------------------------------------------------------------------------|
| Component | Importing Media Project without active Cubase/Nuendo project not possible  |
| Component | Some Cubase/Nuendo Tracks are not exported                                 |
|           | Crash while importing Media Project                                        |
| DMX       | Audio crackle while sending to USB-DMX Interfaces                          |
| Editors   | Only accept time editing for Infoline of DMX/DMIDI Editor                  |
|           | DMX/MIDI Editor Timeline not follow song time domain                       |
|           | Timeline locate not working                                                |
| Hub       | Crash while using Arrows keys                                              |
|           | Improved Radio buttons                                                     |
| Layer     | Missing retrigger for Pan and Volume                                       |
|           | Change Instrument results in <nc> connection                               |
|           | Duplicate/Paste not working correct                                        |
|           | 'Open Editor On Activation' of Instrument not working on reloading project |
|           | Zone-Title can be too small                                                |
|           | Length of text display in header too small                                 |
|           | Solo not working if Output is assigned to <nc> or MIDI Out                 |
|           | Solo/Mute not working with connected Solo tracks                           |
| Lyrics    | Active-Color and Font-Size not restored                                    |
|           | Timeline jumping while locating time                                       |
|           | View events length wrong on init                                           |
|           | Zoom states not always saved to project                                    |
|           | Zoom is not saved per song                                                 |
| Metronome | PRECOUNT display too small (mac only)                                      |

|             |                                                                            |
|-------------|----------------------------------------------------------------------------|
| MIDI-Editor | Note creation on existing notes with double click                          |
| MIDI-Editor | End Time editing possible before Start Time                                |
|             | Move events wrong                                                          |
|             | DoubleClick creation is not audible                                        |
|             | DoubleClick to existing event will not remove it                           |
| MIDI        | Device Ports with same name are not unique                                 |
| Notes       | Missing update of time anchors                                             |
| Mixer       | Send Control not working with mouse                                        |
|             | Visual Learn is possible for mute control of Metronome channel             |
|             | Drag and Drop to last mixer position not possible                          |
|             | Drag and Drop of channels wrong when channels are hidden                   |
|             | Restore hidden channels order                                              |
|             | Default OUT Channel always attaching to Main-Out-Hardware device on reload |
|             | <nc> for Song Channel not restored                                         |
|             | Plug-Ins on OUT Channels will crash VL while creating or loading project   |
|             | SEND destinations wrong                                                    |
|             | UI Improvement while changing Parts                                        |
|             | "Open Editor On Activation" of Inserts not working on reloading project    |
|             | MouseWheel not working for Pan                                             |
|             | Save/Restore of all Solo states and Mute State of Out Channels             |
| Parts       | Select when no trigger                                                     |
|             | Copy/Paste can result in problems                                          |
|             | Move Part to BAY twice not possible                                        |



Trigger Time not follow time domain

|          |                                                                              |
|----------|------------------------------------------------------------------------------|
|          |                                                                              |
| Parts    | Display wrong                                                                |
| Setlists | Wrong Song length with end markers                                           |
|          | Multiple setlist songs when pasting                                          |
|          | Drop appends when no selection                                               |
| Songs    | 'Save Song...' will not store all plug-in presets                            |
|          | 'Next Song' ignores "Start Marker"                                           |
|          | Shortcut Up/Down Keys not working for macOS                                  |
|          | Song number >99 not drawn                                                    |
|          | Remove extra space from name for new created songs                           |
| Stacks   | Remove when connected track is gone not possible                             |
|          | MouseWheel not working for horizontal fader                                  |
|          | Lost input bus                                                               |
| Tracks   | Visual Fade In/Out for DMGX clips visible. Remove it.                        |
|          | Slow Performance with DMX/MIDI clips and many events                         |
|          | DMX Tracks have trouble to reconnect to Ports when the Port-Name has changed |
|          | Inspector Track name not readable with bright track colors                   |
|          | Drag Start-Position should not move clip                                     |
|          | Clip creation after DMX-Recording is very slow                               |
|          | 'Media Offline' message for new created event clips                          |
|          | First video frames missing                                                   |
|          | Tempo editing problems with BAR editing                                      |
|          | App Change close Video view                                                  |

Start and End Marker wrong while switching between songs

Tracks

Restore Video geometry wrong

Chase for Program Changes not working

Hotspot for Draw-Tool wrong

Crash while Output Selection with <nc> assigned

End Marker wrong when Tempo has changed

MIDI-Volume controls Instrument-Volume

MouseWheel not working for horizontal fader

Context menu items not working if they used before

Move clips before seconds=0 not always working

EndMarker display wrong

MIDI Notes not played when Transport starts inside notes

## VST Live Pro 1.3.10 & VST Live Elements 1.3.10

### August 2023

This version contains the following improvements and issue resolutions.

#### Features

- Added 'Edit Insert' Action
- Added 'Enable Insert' Action
- Added 'Show Layer Instrument Editor' Action
- Added 'Stop and next Song' Action
- Added Multi Selection for Layer to connect multi tracks

#### Issues resolved

| Area      | Issue                                                         |
|-----------|---------------------------------------------------------------|
| App       | Crash with loaded project while current one is active         |
| Component | Missing VST2 Plug transfer from Cubase                        |
| Component | Missing MIDI Track channel transfer from Cubase               |
| Layer     | Missing visual feedback for Show/Hide Editor while MIDI Learn |
| Layer     | Mute of connected tracks results in wrong behavior            |
| Layer     | Empty Layer crash in combination with visible Controller Map  |
| Layer     | CC-Map Control does not open Controller with layer            |
| Layer     | Lost instruments after undo/redo                              |

|           |                                                    |
|-----------|----------------------------------------------------|
| Mixer     | Load/Save/Copy/Paste Channel Settings not working  |
| Mixer     | Metronome Channel has no icon                      |
| Tune      | Tempo input width decimal place wrong              |
| Setlists  | Sometimes two songs are activated                  |
| Setlists  | Drag And Drop wrong                                |
| Setlists  | Wrong duration display                             |
| Tracks    | Output control sometimes not active                |
| Tracks    | Solo/Mute not working for connected track to layer |
| Transport | "Locate Last Start" not working                    |
| Transport | Reposition cursor while in cycle mode not working  |

## VST Live Pro 1.3 & VST Live Elements 1.3

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### August 2023

This version contains the following improvements and issue resolutions.

#### Features

- Added 'Select Global Part' Action
- Added 'Next Song And Play' Action
- Added 'Next Plugin Window' Action
- Added 'Zoom To Cycle' Action
- Added 'Zoom To End' Action
- Added 'Zoom To Full' Action
- Added 'Stack Insert Enable' Action
- Added 'Next/Previous Event Selection' Actions
- Added Source Item for Actions
- Added Message for duplicate Actions
- Added LTC Output (Preferences/Transport)
- Added Shared Audio Controls (Preferences/Layers)
- Added Track Monitor Type to (Preferences/Audio)
- Added routable connection between Audio Tracks and Stacks
- Added Record Control to stack to record input signal to an Audio Track
- Added Resizable Clip-Name Field for Info-View at TRACKS
- Added new Control to Layer to open Controller-Map dialog
- Added Paste and Duplicate of Layers across songs
- Added Song Autostart
- Added visible Icon to Songs when Autostart was activated
- Added toggle Control to "Open Fullscreen" for "Video Views" settings
- Added Paste Shared Parts across Songs
- Added Save Preset for Save Archive

- Added visual feedback for Context-Menu (songs, layer, stacks, tracks and modules)
- Add visual and editable SysEx events to MIDI editor
- Add editable SysEx field to Midi List editor
- Add visual SysEx information to MIDI clip
- Added Show Duration to Setlist
- Added "Reset Audio" to Devices menu
- Added Autoload last recent project
- Remember last played song for Autoload
- Added "Append Part Duplicate" to menu

#### Issues resolved

| Area    | Issue                                                        |
|---------|--------------------------------------------------------------|
| App     | Context menus wrong after menu size changes (Preferences)    |
| App     | Main VU Meter in footer (next to transport-panel) inaccurate |
| App     | Improved Performance                                         |
| App     | Crash with "-" Button to remove selected Part                |
| App     | Added Groove Agent SE Presets                                |
| App     | Improved performance for MIDI I/O (windows only)             |
| App     | Missing files for archives                                   |
| App     | Fixed Crash while saving projects                            |
| Actions | Global Part selection not working for Layer actions          |
| Actions | Doubled Actions while loading project                        |
| Actions | Undefined Layer action will crash                            |

|             |                                                                    |
|-------------|--------------------------------------------------------------------|
| Actions     | 'Next Layer', 'Previous Layer' and 'Select Layer' not working      |
| Connections | Ports are not applied on load project                              |
| Inserts     | Swapping Plug-Ins will crash                                       |
| Layer       | Wrong position of instrument context menu with multiple monitors   |
| Layer       | Fixed duplicate layer                                              |
| Layer       | Missing track undo point when track was created as an input bus    |
| Layer       | Paste and Duplicate Layer Shared not working                       |
| Layer       | Pan not centered                                                   |
| List Editor | Wrong Message Box for SysEx Editing                                |
| MIDI/DMX    | Open Clip-Editor does not center Transport position or first event |
| Mixer       | New Channels not always added to the end with active user-ordering |
| Mixer       | Destination highlight wrong while dragging channel ordering        |
| Mixer       | Sampler Track not located as sub channel of Song Channel           |
| Mixer       | New Channels not added to end when user-ordering is active         |
| Mixer       | Missing MIDI Channel from imported Cubase project                  |
| Notes       | Wrong default location for Save control                            |
| Parts       | Display duration sometimes wrong                                   |
| Parts       | Drag Part to last position in song not possible                    |
| Plug-Ins    | Fixed VST2 Effect Processing with multiple inputs (Guitar Rig 5)   |
| Plug-Ins    | Fixed Key-handling (Triton)                                        |
| Plug-Ins    | Missing MIDI-Input control with multiple songs                     |
| Plug-Ins    | Missing Header Preset name for reloaded projects                   |
| Plug-Ins    | Missing MIDI Control for Global Part Plug-In                       |

|          |                                                                        |
|----------|------------------------------------------------------------------------|
| Plug-Ins | 'Open on Part Selection' not working                                   |
| Plug-Ins | Added Tooltips to Preset/MIDI controls                                 |
| Plug-Ins | Fixed sizing of editors (Komplete)                                     |
| Plug-Ins | Improved header controls for smaller plug editors                      |
| Setlist  | Setlist Drop results in wrong position                                 |
| Setlist  | "+" Button for "Adding Song" not always working                        |
| Setlist  | Empty Setlist name, new setlist name number                            |
| Setlist  | Delete Song                                                            |
| Setlist  | Empty names                                                            |
| Sound    | Mixer broken after saving Sound (File / Sound)                         |
| Stacks   | Not always reconnected on reloading project                            |
| Tracks   | Clip dragging for 1 BAR and different signatures not working           |
| Tracks   | MIDI Import Format 0 sometimes wrong                                   |
| Tracks   | Audio Crackle while switching Songs                                    |
| Tracks   | Fixed Solo/Mute states while switching between different songs         |
| Tracks   | Missing highlight color if context menu of track item is shown         |
| Tracks   | Clip-Info View was not updated while switching between different songs |
| Tracks   | Fixed Copy/paste for clips                                             |
| Tracks   | Channel Color wrong for Instrument Channels                            |
| Tracks   | X-Zooming not always centered                                          |
| Tracks   | Wrong time position for SysEx events                                   |
| Tracks   | Looping for DMX tracks not working                                     |
| Tracks   | MIDI clip splitting not working                                        |
| Tracks   | Center Cursor position while zooming                                   |



|        |                                                         |
|--------|---------------------------------------------------------|
| Tracks | X-Zooming not always centered                           |
| Tracks | Save LANE control of MIDI/DMX editor or next session    |
| Tracks | Fixed moving events of stacked events                   |
| Tracks | Fixed Performance of MIDI Tracks                        |
| Tracks | Selecting Audio clips can result in short audio silence |
| Tracks | Updated Crosshair color                                 |
| Tracks | Crosshair position not updated while scrolling          |
| Tracks | Instrument Channels available as Output destinations    |
| Tracks | Crash while changing signature event                    |
| Tracks | Dragging clips to other tracks at pos=1.1               |
| Video  | Last Video device settings missing on next start        |

## VST Live Pro 1.2 & VST Live Elements 1.2

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### June 2023

This version contains the following improvements and issue resolutions.

#### Features

- Added Redesigned Setlist Editor
- Added Actions for Setlists
- Added Undo/Redo to Setlist
- Added „Modern Selector” for Quick-Param assignment
- Added End-Marker Cursor to Tracks
- Added Auto-Scroll to Track list while dragging
- Clear MIDI Monitor with double click event
- Added Copy/Paste Shortcuts to Layer, Stack and Module
- Added Mixer Channel Icons
- Added 10 Auto Backup files
- Added Volume Display to Send Controls
- Added Bank Select Controls to Layer
- Added Blocklist to Plug-In Informations
- Moved HiDPI Setting to Preferences
- Added Trigger MIDI notes in the middle at start
- Automatically name Audio Track after audio file import
- Added "Part Shared" and "Duplicate Part Shared" menu actions
- Added Resizable Modern Popup Views

## Issues resolved

| Area       | Issue                                                                 |
|------------|-----------------------------------------------------------------------|
| App        | Crash while changing audio device (mac only)                          |
| App        | Filter active sensing from MIDI Monitor                               |
| App        | Crash after importing Cubase project and selecting another song       |
| App        | Show application name in SAM when license is not available            |
| App        | Fix "Save Archive" for cross-platform workflows                       |
| App        | Improved Touch Control                                                |
| App        | Wrong Tempo for Import Media Project when "Arranger Track To Songs"   |
| App        | No Song End action for last Song                                      |
| App        | Rename "Close" menu-action to "Close Window"                          |
| App        | Disable "Close Window" menu-action when only main window is available |
| Component  | Transfer of Plug-In Bypass state wrong                                |
| Connection | Crash while renaming Ports                                            |
| Hub        | Fixed Scroll-Handles of Recent Projects list                          |
| Insert     | Removed wrong entries of Plug-in Selector                             |
| Insert     | Rare Crash while removing Inserts                                     |
| Insert     | No Drag & Drop on same insert slot                                    |
| Insert     | Copy Insert while dragging not possible                               |
| Layer      | Wrong layer controller map values and LSB/MSB                         |
| Layer      | Context menu "Duplicate" and "Duplicate Shared" not working           |
| Layer      | Transfer audio channel settings for copy/paste action                 |
| Layer      | Save Mute State Actions                                               |

|          |                                                                 |
|----------|-----------------------------------------------------------------|
| Mixer    | External Midi Controller Support                                |
| Mixer    | Reload of ordering not working                                  |
| Plug-Ins | Removed wrong entries of Plug-In Information Dialog             |
| Plug-Ins | Missing <nc> display of MIDI-Selector for Plug-Ins with MIDI-In |
| Song     | Signature wrong while switching between tunes                   |
| Tracks   | Show "Media Offline" for Video clips                            |
| Tracks   | Fixed Copy/Paste Tracks                                         |
| Tracks   | More MP3 Support                                                |
| Tracks   | Tempo wrong for Pre-Count                                       |
| Tracks   | Missing track outputs with first undo                           |
| Tracks   | Update clips when tempo events have changed                     |
| Tracks   | Update Info line when clip parameter have changed               |
| Tracks   | Removed Instrument Channels as Output targets                   |
| Tracks   | Missing media files on loading projects                         |

## VST Live Pro 1.1.80 & VST Live Elements 1.1.80

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### May 2023

This version contains the following improvements and issue resolutions.

#### Features

- Added MIDI Clock Output (Transport-Preferences)
- Added Re-Ordering of Mixer Channels
- Added Autoscroll for Tunes (and other tree views)
- Added Autoscroll for Clip and Locator dragging (Tracks)
- Added Mute-Control to Video Tracks
- Added Layer channel input mask (File / Menu / Layer)
- Added Notes TXT File support
- Added Touch Scrolling for Plug-In Information, Recent Project (Hub)
- Added Touch Scrolling to Layers, Stacks and Modules Tab
- Added Touch Scrolling to Tunes List

#### Issues resolved

| Area    | Issue                                                          |
|---------|----------------------------------------------------------------|
| App     | Rundown for last part/song end action                          |
| App     | No stop because of Song End action, when last Song is playing  |
| Actions | Learn Mode                                                     |
| Actions | "Data1 to" can be set same as data1 from                       |
| Actions | "Data2 to" wrong display                                       |
| Actions | Midi program change and aftertouch don't show or edit 2nd byte |

|             |                                                                         |
|-------------|-------------------------------------------------------------------------|
| Layer       | Poly Pressure Split and Transpose                                       |
| Metronome   | Missing Routing to Main Out Channel                                     |
| MIDI        | List View editing fail with negative clip offset                        |
| Mixer       | Default tune channels not connected to main out                         |
| Mods        | Fixed Synchronisation                                                   |
| Notes       | Removed Gradient background of empty view                               |
| Notes       | Zooming On Reload Project                                               |
| Parts       | Reset position on Part change                                           |
| Parts       | Last Part not triggered                                                 |
| Plug-Ins    | Improved Text updates for Quick-Controls                                |
| Preferences | Import Copy only works for Audio files                                  |
| Stacks      | Soft Fadeout                                                            |
| Tracks      | Cycle View missing on Reload Projects                                   |
| Tracks      | Audio File Import missing image creation                                |
| Tracks      | Fade-In for Images not working                                          |
| Tracks      | Improved Video Engine                                                   |
| Tracks      | Crash while creating image file                                         |
| Tracks      | Missing image file updates                                              |
| Tracks      | Missing "media offline" or "building image" of clip views               |
| Tracks      | Improved Offset Clip Editing                                            |
| Tracks      | Hide "Always On Top" Video Monitors when app is inactive (windows only) |
| Tracks      | Restore missing clip binaries                                           |
| Tracks      | Asset files (lyrics, tempo etc) not found                               |

|        |                                                   |
|--------|---------------------------------------------------|
| Tracks | Missing Scroller for Signature Inspector          |
| Tracks | Multiple audio tracks record start and stop align |
| Tunes  | Improved Touch control                            |

## VST Live Pro 1.1.70 & VST Live Elements 1.1.70

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### April 2023

This version contains the following improvements and issue resolutions.

#### Features

- Added "Multithreading" Preference for Video
- Added "Shared MIDI Controls global" Preference for Layer
- Added Copy/Paste Clips between different Tunes
- Added Send-Volume and Send-Enable of Channels to Actions
- Added "Paste Layer Shared" entry to Layer Menu
- Added Project Framerate setting
- Added Cubase/Nuendo Export Option "Copy Clips" or "Copy File"
- Added „Copy Selection“ and “Paste Selection“ to Actions
- Added Global Layer Connection Tracks

#### Issues resolved

| Area | Issue                                       |
|------|---------------------------------------------|
| App  | Improved Media Import                       |
| App  | Crash on Panic                              |
| App  | Added Tooltips to Lower/Right Zone controls |
| App  | MTC-Out starts at position 0                |
| App  | Setlist crash                               |
| App  | Preference Dialog does not have a title     |



|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| App        | End-Marker is not working on Project Reload                           |
| App        | Context-Menu with many entries do not work (macOS only)               |
| App        | Importing Cubase/Nuendo Project with same media names                 |
| App        | Crash while loading project                                           |
| App        | Missing Save-Dialog for current project before creating new one       |
| App        | Data2 Range for learned toggle button                                 |
| App        | Synchronization to MODS after imported project was reloaded           |
| App        | Added Multi-Selection for Audio, MIDI and Video files                 |
| App        | Remember last Media Import settings                                   |
| App        | Resolve missing media files                                           |
| App        | Improved audio engine while driver setting changed externally         |
| App        | Fixed Importing Cubase/Nuendo Project with same media names           |
| App        | Fixed crash while loading project                                     |
| Actions    | Pitch Bend evaluation                                                 |
| Actions    | Default Actions loose MIDI Input                                      |
| Component  | Remove Gig folder creation on Export                                  |
| Connection | Missing part name                                                     |
| DMX        | Lost DMX Mixer Fader                                                  |
| Editor     | Shortcut of Mute does not work                                        |
| Layer      | Shared Instrument Window will be closed on Part Action                |
| Layer      | Pan changed when Layer Output changed                                 |
| Lyrics     | Update Clip Info while selecting events                               |
| MediaBay   | Drag of Plug Presets not possible to Audio-Insert or Instrument Slots |

|                |                                                                   |
|----------------|-------------------------------------------------------------------|
| MediaBay       | User Preset list is not update when new Preset was created        |
| Metronome      | Wrong Display for various Signatures                              |
| MIDI List View | Time editing with negative clip offset                            |
| MIDI Monitor   | Selection wrong                                                   |
| MIDI Monitor   | Formatting                                                        |
| Mixer          | Improved VU Metering                                              |
| Mixer          | Missing Send Target on reloading project                          |
| Mixer          | Improved VU Metering                                              |
| Modules        | Closed UI-Module not restored on Reload                           |
| Parts          | Progress wrong with cycle                                         |
| Parts          | Assure Plugin processing on Preload                               |
| Parts          | Remove TRIGGER display from Part                                  |
| Plug-Ins       | Text-Editing of Quick-Controls not working                        |
| Plug-Ins       | New Presets are not visible for other instances                   |
| Stacks         | Closed UI-Stack not restored on Reload                            |
| Stacks         | Inputs lost on Panic                                              |
| Tracks         | Playback stutter with Video Track Image events                    |
| Tracks         | Improved Video Engine Performance                                 |
| Tracks         | Audio Tracks with <nc> are not restored correctly on Project Load |
| Tracks         | Improved Copy/Paste of Clips                                      |
| Tracks         | Fixed Clip offset from Imported Cubase/Nuendo Projects            |
| Tracks         | Missing MIDI Playback while stopping in Cycle                     |
| Tracks         | Added Multi-Selection for Audio, MIDI and Video files             |

|        |                                                            |
|--------|------------------------------------------------------------|
| Tracks | Improved visual crosshair                                  |
| Tracks | Improved drag selection of files                           |
| Tracks | Do not send MIDI Volume if volume has not changed          |
| Tracks | Intensity editing of Clip Info does not update Video clips |
| Tracks | Added Suspended Auto-Scroll control                        |
| Tracks | Crash with many tempo events                               |
| Tracks | Hanging notes for MIDI Tracks                              |

## VST Live Pro 1.1.60 & VST Live Elements 1.1.60

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### March 2023

This version contains the following improvements and issue resolutions.

#### Features

- Added "Markers To Selection" Action
- Added "Zoom To Selection" Action
- Store/Restore SampleRate for Projects
- Added modified color to layer controller map
- Added AfterTouch and PolyPressure to layer controller map
- Added "Import Copy To Project Assets" Preference
- Load USM as default Instrument when HSSE is not installed
- Added Soft Mute for Stack Input Channel
- Added Stack Input Fade In/Out (Preferences)
- Added Import of MIDI Type 0 and 1
- Added MTC Offset per Song
- Save "Assets to Local/Project" setting to VL-Project
- Added End-Marker ValueBox to Tracks
- Added Preload Parts

#### Issues resolved

| Area | Issue                                             |
|------|---------------------------------------------------|
| App  | Added Modules to Preload                          |
| App  | Panic-Control crash when project contains Modules |

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| App        | Edit Transport Location while Play not possible                       |
| App        | Improved Performance and dropouts while switching Parts               |
| App        | Audio processing while driver change                                  |
| App        | Playlist, Mediabay and Lowerzone geometries on Restore lost           |
| App        | MAIN recreation                                                       |
| App        | Save project failed with assets                                       |
| App        | Crash on Menu/MIDI-Import when no track is selected                   |
| App        | Fixed visual Learn for Transport controls                             |
| App        | Active Learn while switching between main tabs                        |
| App        | Default Dial state wrong (Preferences)                                |
| App        | Record control was not visible on default size                        |
| App        | Peer control selectable                                               |
| App        | Global Part Selection while Transport running not possible            |
| App        | Song Selection wrong on Restore when project has selected global part |
| App        | Missing Tab selection on Tab-Creation (CHORDS, METRONOME, ...)        |
| Connection | Improved ENTEC DMX Hardware Support                                   |
| All Editor | Time Editing wrong                                                    |
| DMX Editor | Draw Tool change value inverse                                        |
| DMX Editor | Change value not updated in Infoline                                  |
| DMX Editor | Draw Tool not working correctly in vertical editing                   |
| Hub        | Modal style                                                           |
| Hub        | Added modern plugin selector to Instrument selection                  |
| Layer      | <nc> does not release input sources                                   |

|           |                                                                                       |
|-----------|---------------------------------------------------------------------------------------|
| Layer     | Zone-View does not release learn receiver                                             |
| Layer     | Zones-View drawing                                                                    |
| Layer     | Layer receiving MIDI signal after <nc> selection                                      |
| Layer     | Selection when Global and local Layer is visible                                      |
| Layer     | Mute not working                                                                      |
| Lyrics    | Timeline wrong                                                                        |
| Lyrics    | Moving Lyrics results is wrong duration when Tempo Track is activated                 |
| Metronome | Preroll when Start-Seconds is 0                                                       |
| Metronome | Solo possible                                                                         |
| Mixer     | Do not close Plug-Editor of Group-, Metronome- or Out-Channels while Part/Tune switch |
| Mixer     | Remove visual Outline                                                                 |
| Mixer     | OUT Channel configured to <nc> lost on reloaded project                               |
| Mixer     | Improved Mixer while switching songs                                                  |
| Mixer     | Crash with active Sends while changing Buffer Size, Driver, SampleRate                |
| Mixer     | Removed Mute Control from Metronome Channel                                           |
| Mixer     | Send Connection on Restore lost                                                       |
| Modules   | Crash on Project Restore when module is not installed                                 |
| Modules   | Missing Global Control                                                                |
| Modules   | Selection when Global and local Modules is visible                                    |
| Motes     | Updated Vertical Scrollbar                                                            |
| Part      | Improved Triggers                                                                     |
| Part      | Improved Preloading                                                                   |
| Part      | Global Assets moveable to local Assets. And vice versa.                               |

|          |                                                                    |
|----------|--------------------------------------------------------------------|
| Part     | Drag Assets to MediaBay not working when global Assets are visible |
| Part     | Global Part not updated on restore                                 |
| Part     | Global/Local Asset selection not working                           |
| Part     | Assets attributes (inserts...) lost on Drop and Import             |
| Part     | Crash while removing global part                                   |
| Part     | Selections after removing global parts                             |
| Part     | Missing Trigger for last part                                      |
| Part     | Triggering while cycle active                                      |
| Part     | Trigger rundown display                                            |
| Part     | Play Control starts too early                                      |
| Part     | Select Global Part on Creation                                     |
| Part     | Part triggers during Cycle                                         |
| Plug-Ins | VST3 Instrument scanning                                           |
| Song     | Save song not exporting assets                                     |
| Stack    | Crash dragging Stack into global Part                              |
| Stack    | Global Stack copy not working                                      |
| Stack    | Stack Remain active after Preload                                  |
| Stack    | CPU overloud with Preload                                          |
| Stack    | Improved Soft Mute                                                 |
| Stack    | Routing while activating                                           |
| Stack    | Selection when Global and local Modules is visible                 |
| Stack    | Missing Global Control                                             |
| Tracks   | Missing Tooltips                                                   |

|        |                                                             |
|--------|-------------------------------------------------------------|
| Tracks | MIDI Channel Quantize not working                           |
| Tracks | Cycle to Selection for Audio/Video event not working        |
| Tracks | Infoline wrong for clip duration and multi signature events |
| Tracks | Tempo Add Dialog should show time information               |
| Tracks | Tools for default size                                      |
| Tracks | Clip Info for default size                                  |
| Tracks | MIDI Tracks of old project wrong                            |
| Tracks | Audio Image creation can take long time                     |
| Tracks | Delete audio file when file with same name imported         |
| Tracks | DMX event editing wrong when cop contains offset            |
| Tracks | Flam on starting Transport                                  |
| Tracks | Duration of imported MP3 files                              |
| Tracks | Video playback while Cycle                                  |
| Tracks | Missing Draw Entry of Context Menu                          |
| Tracks | Visual project length wrong on restore                      |
| Tracks | MIDI Track not playing with preroll when Start-Seconds is 0 |
| Tracks | Splitting clips                                             |
| Tracks | Negative drawing possible for workspace                     |
| Tracks | Duration Display for Clip and Event Infoline wrong          |
| Tracks | Do not close Track-Plug-Editor while Part switch            |
| Tracks | Improved Draw Performance for multi tempo events            |



## VST Live Pro 1.1.50 & VST Live Elements 1.1.50

### February 2023

This version contains the following improvements and issue resolutions.

#### Features

- Added Lyrics List Editor
- Added Recording Bit-Width
- Added “Duplicate Shared”
- Added “Send All Keyboard Events” control to Plug-in Header
- Animate “Record Session” control
- Added Shift Key and Mouse click will set Transport Markers

#### Issues resolved

| Area | Issue                                                                        |
|------|------------------------------------------------------------------------------|
| App  | Preferences dialog z-order wrong                                             |
| App  | No resizing possible when keyzone of layer is visible                        |
| App  | Different Temp of different songs can be wrong while switching between songs |
| App  | Missing Assets                                                               |
| App  | Verify imported Tempo track. It always needs a default tempo event           |
| App  | Improve MIDI Monitor                                                         |
| App  | Improve Signature and Temp track Import                                      |

|           |                                                                         |
|-----------|-------------------------------------------------------------------------|
| App       | Create Trigger Parts wrong while Import with Tempo and Signature tracks |
| App       | Crash with ASIO Driver (Windows only)                                   |
| App       | Loading time while loading projects                                     |
| App       | "Actions and Shortcuts" UI                                              |
| App       | Loading Project with Double-click                                       |
| App       | Improved Visuals (Windows only)                                         |
| App       | "Close" Menu-Action close main view                                     |
| App       | Import Song used wrong tempo                                            |
| App       | Added Busy-Cursor while importing MP3 file                              |
| App       | Solo/Mute sometimes not working                                         |
| App       | Multiple Binary save                                                    |
| App       | Do not remove empty folders from imported Media Projects                |
| App       | Wrong signatures while reloading other projects                         |
| App       | "Save Archive" troubled with project directory                          |
| App       | Imported Marker track event need a duration                             |
| App       | Learn widgets crash when small mixer will be removed                    |
| App       | Learn widgets lost while showing different tab views                    |
| App       | Wrong Default path while importing Media Project                        |
| App       | Crash On Exit                                                           |
| Component | Transfer Bypass State of Audio Inserts                                  |
| Hub       | File Selector not accepting all keys (windows only)                     |
| Hub       | Default Instrument not working                                          |
| Layer     | Keyzone align with mouse move wrong                                     |
| Layer     | Mute/Solo in combination with Instrument and connected Track            |

|           |                                                                              |
|-----------|------------------------------------------------------------------------------|
| Layer     | Shared instance lost while loading second time                               |
| Layer     | Cut Layer and Cut Part possible when Layer is connected to Track             |
| Layer     | Missing Program Change                                                       |
| Layer     | Trouble Controller Map with older project (cc#32)                            |
| Layer     | Wrong bank select/program change sequence                                    |
| Layer     | Mute When Show Midi Is Active                                                |
| Lyrics    | Dragging of lyrics events will change length                                 |
| Lyrics    | Edit and Length Parameter editing wrong                                      |
| Lyrics    | Selection not possible                                                       |
| Metronome | Restoring Parameters                                                         |
| MIDI      | List Editor: Channel not applied                                             |
| MIDI      | List Editor: Added wrong note off event                                      |
| Mixer     | Edit Channel Name does not select complete text                              |
| Mixer     | Missing Send-Title update when name of send-destination changed              |
| Mixer     | Small mixer shows Solo control for AUX channels                              |
| Mixer     | Small mixer does not show learn width for Solo and Mute                      |
| Part      | Missing Triggering while Transport Cycle                                     |
| Part      | Scroll to triggered part while transport is running, and part is not visible |
| Part      | Global Part selection not possible                                           |
| Part      | Drag Part to MediaBay wrong with multi songs                                 |
| Plug-Ins  | Update Multi Output destination display after reload                         |
| Plug-Ins  | Editor not focused on creation (windows only)                                |
| Plug-Ins  | Missing keys for Plug-Ins (TH-U)                                             |
| Plug-Ins  | Fixed Re-Scanning of plugs (WAVES)                                           |

|             |                                                            |
|-------------|------------------------------------------------------------|
| Preferences | Moved "Plug-In Editor Always On Top" to Plug-In category   |
| Preferences | Moved "Scan Plug-Ins On Start" to Plug-In category         |
| Song        | Signature and Tempo control show only events at position 0 |
| Songs       | No Part trigger if same as cycle end                       |
| Songs       | Load Songs                                                 |
| Stacks      | Mixer Channel lost when moving Stack                       |
| Stacks      | Removed Stacks do not remove their Plug-In editors         |
| Tracks      | Add new track after selected tack                          |
| Tracks      | Follow Cursor when Cycle jumps                             |
| Tracks      | Updated Workspace while project length has changed         |
| Tracks      | Video Artefacts with crossfading                           |
| Tracks      | New Instrument instances must be routed to Song bus        |
| Tracks      | ArtNet Input Device not selectable                         |
| Tracks      | Missing Media files with loaded project                    |
| Tracks      | Restore Audio Track Inputs on Restore                      |
| Tracks      | Missing Markers after saved imported Media Project         |
| Tracks      | Fixed MIDI Looping                                         |
| Tracks      | Track Monitor not active with duplicated song              |
| Transport   | No jump back to start when using play control              |
| Transport   | Import Video at Cursor Position                            |
| Transport   | Synced Count-In and Preroll to Signature/Tempo             |

## VST Live Pro 1.1.41 & VST Live Elements 1.1.41

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**January 2023**

This version contains the following issue resolutions.

### Issues resolved

| Area     | Issue                                  |
|----------|----------------------------------------|
| App      | Freeze On Stop                         |
| Layer    | Shared Instrument lost after 2x saving |
| Plug-Ins | VST2 Processing                        |

# VST Live Pro 1.1.40 & VST Live Elements 1.1.40

## January 2023

This version contains the following improvements and issue resolutions.

### Features

- Added DMX/MIDI List Editor
- Added Quick Controls for Inserts to Actions
- Added Stacks Input and Output to Actions
- Added Bars to Metronome
- Support Multi-Outputs of Instrument Plug-Ins
- Added "High Priority Mode" Audio Preference (Windows only)
- Added Folder Track Type to Tracks
- Added Quick-Controls section to MIDI Track Inspector
- Added option to control "Always on Top" for video windows
- Added Control Slider to Virtual Keyboard
- Added Song End Action "Do this for all Songs"
- Added Keyboard-Range and Pitchbend to SamplerTracks
- Added „Record Session“ Control
- Added visual vount for connected MODS

### Issues resolved

| Area    | Issue             |
|---------|-------------------|
| Actions | Filter MIDI Clock |

|             |                                                                              |
|-------------|------------------------------------------------------------------------------|
| App         | Unselect widgets when MIDI Learn was successful                              |
| App         | Update focus after Undo/Redo                                                 |
| App         | More Tooltips                                                                |
| App         | Crash while changing projects with multi actions                             |
| App         | Improved Popup-View (Layer-Instrument or Insert selection) for small screens |
| App         | Empty app-name in SAM (Steinberg Activation Manager) when license is missing |
| App         | Crash while starting application                                             |
| App         | Crash-On-Exit with Undo/Redo Actions                                         |
| App         | Crash while dragging main view to second monitor                             |
| App         | Improved Plug-In usage                                                       |
| App         | Wrong Signature while creating new Song                                      |
| App         | Opening Media Archive                                                        |
| Connections | Fixed MIDI input ports for layers                                            |
| Layer       | Initial MIDI sent to hardware after project loaded                           |
| Layer       | Midi Volume while switching parts                                            |
| Media Bay   | Quick Controls in Plug-Ins/Controls section                                  |
| Mods        | Synchronization for Tempo/Signature Track                                    |
| Mods        | Crash when many MODS-Peers are connected                                     |
| Mixer       | Reset Mixer on loading new project                                           |
| Plug-Ins    | Quick-Controls display not updated after new assignment                      |
| Plug-Ins    | Update Quick-Control names when internal plugs state has changed             |
| Plug-Ins    | Clean up unused plug-ins                                                     |
| Stacks      | Do not deactivate Stacks with Preload                                        |

|           |                                                   |
|-----------|---------------------------------------------------|
| Tracks    | Open Editor on Song Activation                    |
| Tracks    | Cycle with Video Tracks                           |
| Tracks    | Missing MIDI event when Transport starts at 1.1.0 |
| Tracks    | MIDI engine                                       |
| Tracks    | Volume editing in info line                       |
| Tracks    | Cycle with Part Triggers                          |
| Transport | Crash after several hours of playing              |



# VST Live Pro 1.1.30 & VST Live Elements 1.1.30

## December 2022

This version contains the following improvements and issue resolutions.

### Features

- New Action: „ Start Next Song and Record“
- Added MTC Output
- Added MIDI-Input for Audio Plug-Ins
- Added option to open Plug-In editor on Part activation
- Added option to see more Inspector categories at once
- Show sub-tracks in Inspector of Folder track
- Use Tap Tempo to add tempo entries to Tempo track
- Added option to size menu (Small, Middle, Big)
- Added „Follow Tablet Mode“ (Windows only)
- Added Quick Controls access to Plug-In window and Stacks
- Added „Select Tracks with Clips“ for Exporter Component
- Added Pitchbend Control to Layer

### Issues resolved

| Area | Issue                                                          |
|------|----------------------------------------------------------------|
| App  | Crash while saving project                                     |
| App  | Zoom imported tracks of Media Project to default size          |
| App  | Remember last folder path while importing audio, midi or video |
| App  | Double click to *.vlpri to load projects                       |
| App  | Missing Ports message                                          |

|           |                                                                       |
|-----------|-----------------------------------------------------------------------|
| App       | Tap Tempo with Tempo track results in dead loop                       |
| App       | Do not allow "Song Selection" with Actions while Transport is running |
| App       | Wrong Tempo and Signature with Media Project Import                   |
| App       | Crash while changing ASIO driver (Windows only)                       |
| App       | Wrong Track ordering with "Media Project" Import                      |
| App       | Improved Undo/Redo                                                    |
| App       | Lost metronome while loading saved projects                           |
| Actions   | MIDI Program Change and Aftertouch                                    |
| Component | Export of video clips from Cubase and Nuendo                          |
| Component | Transfer of Tempo and Signature                                       |
| Component | Remember last Export folder                                           |
| Component | Use project name for export default name                              |
| Layer     | Zone view missing app-wide scrollbars                                 |
| Layer     | Keyboard view of zone view                                            |
| Layer     | Shared Instruments not restored correctly                             |
| Layer     | Playback state on Part Switch when Layer is connected to a track      |
| Media Bay | Missing Module tile                                                   |
| Mixer     | Missing Scrollbar for Visibility view                                 |
| Notes     | Remember settings for every song                                      |
| Plug-Ins  | Improved resizing                                                     |
| Stacks    | Preload activates all Plug-Ins                                        |
| Tracks    | Missing Undo/Redo after MIDI Output selection                         |
| Tracks    | Missing MIDI and video selection for Import-Control                   |
| Tracks    | Missing Scrollbar step control for MIDI/DMX editor                    |

|        |                                                                            |
|--------|----------------------------------------------------------------------------|
| Tracks | Missing track selection after midi, audio or video file import             |
| Tracks | Broken dragging of MIDI clips between MIDI, Sampler and Instruments tracks |
| Tracks | MP3 import problems                                                        |
| Tracks | MIDI Import to project with tempo track                                    |
| Tracks | Visual Quantize Control too small                                          |
| Tracks | Editing tempo with decimal place                                           |
| Tracks | Restore Outputs of MIDI Tracks broken                                      |
| Tracks | Cycle troubles Playback engine                                             |
| Tracks | 1 Bar Quantize not possible with multi signature events                    |
| Tracks | Restore Transport and Channel values of MIDI Tracks broken                 |
| Tracks | Broken Media clips position after moving multi selected clips              |
| Tracks | Wrong Clip Offset for Infoline Display                                     |
| Tracks | Broken Event Infoline of DMX/MIDI Editor                                   |
| Tracks | Missing Undo point after resizing clip                                     |

## VST Live Pro 1.1.20 & VST Live Elements 1.1.20

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### November 2022

This version contains the following improvements and issue resolutions.

#### Features

- New Action: „Master Main Volume”
- New Hub Menu to open Hub and User Forum
- Added scrollbar step controls
- Added minor Chords
- Added row zooming controls to Chords view
- Added control to show/hide Chords editor
- Show warning message on renaming port names
- Added global Mute and Solo controls to Tracks and Mixer view
- Added option to save track Record/Monitor state
- Added option to create new setlist when activating setlist
- Added preloading for Stacks
- Show info widget while dragging fade-in/out of a clip
- Added preroll possibility before second 0
- Added zooming around mouse-wheel position to Tracks

#### Issues resolved

| Area | Issue                                          |
|------|------------------------------------------------|
| App  | Dead-Loop while closing import dialog with "X" |

---

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| App      | Do no close global plugins while switching parts                           |
| App      | Crash while importing media project                                        |
| App      | Remove empty folders from imported media projects                          |
| App      | Hub visibility broken with display scaling higher than 300% (windows only) |
| App      | Dead-Loop while color selector is visibly (windows only)                   |
| App      | Video Import dialog does not accept "NO" selection for Audio Import        |
| App      | Main VU-Meter display in footer broken after loading new project           |
| App      | Wheel events for horizontal slider broken                                  |
| Actions  | Wrong data2 handling for dials and sliders                                 |
| Actions  | Editing problems                                                           |
| Chords   | Editing with multi signature events                                        |
| Chords   | "Minor" state will not be remembered                                       |
| Chords   | Fixed synchronization (minor, short notation) to VST Live Mods app         |
| Mixer    | Output ports lost with project save.                                       |
| Mixer    | Channel visibility wrong while changing parts                              |
| Layer    | MIDI-Data are sent twice on activation                                     |
| Layer    | <nc> not possible to select for MIDI Input                                 |
| Layer    | Controller Map value reset fails                                           |
| Layer    | Not always fire midi data on activation                                    |
| Module   | Crash while panic                                                          |
| Part     | Trigger position lost while moving parts inside song                       |
| Plug-Ins | Fixed missing key events (HALion Sonic SE)                                 |
| Plug-Ins | Improved more VST3 support (Pianoteq)                                      |
| Songs    | Part progress is wrong while cycle is active                               |

|        |                                                                            |
|--------|----------------------------------------------------------------------------|
| Songs  | Trigger display is not correct while loading project with multi signatures |
| Stacks | Audio Input lost while audio panic, new buffer size, ...                   |
| Tracks | Crash when cycle is active and video is running                            |
| Tracks | Tempo editing in tempo track is broken                                     |
| Tracks | Adding new signature events broken                                         |
| Tracks | Crash while deleting video track                                           |
| Tracks | Video Fade-In and Fade-Out are not working correctly                       |
| Tracks | Changing first signature event working only on second time                 |
| Tracks | Cycle dropouts for MIDI tracks                                             |
| Tracks | MIDI Instrument tracks lost their routing on changing or reloading songs   |
| Tracks | MIDI Output bus lost while switching between songs                         |
| Tracks | MIDI file import do not fit with time signature                            |
| Tracks | Signature editing broken                                                   |
| Tracks | Missing shift control in timeline to scroll horizontally                   |
| Tracks | Missing clean undo point                                                   |
| Tracks | Missing undo point for MIDI Input assignment                               |
| Tracks | Open output-bus control not working for DMX/Lyric Track                    |
| Tracks | Output-Bus Menu is missing LAYER assignment options                        |
| Tracks | Track offsets for Chord events                                             |
| Tracks | Video of next song not playing                                             |
| Tracks | Fixed crash when deleting tracks in sub folders                            |
| Tracks | Fixed clip-event Infoline editing (start, end, duration)                   |
| Tracks | Chord events are red on creation                                           |
| Tracks | DoubleClick to chord track to open editor broken                           |

---

|        |                                                         |
|--------|---------------------------------------------------------|
| Tracks | MIDI editor not updated when clip moved to new position |
|--------|---------------------------------------------------------|

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|           |                            |
|-----------|----------------------------|
| Transport | Preroll state not restored |
|-----------|----------------------------|

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## VST Live Pro 1.1.10 & VST Live Elements 1.1.10

### November 2022

This version contains the following improvements and issue resolutions.

#### Features

- New Actions: „Next/Previous Channel”
- New Preference: „No Default Layers”

#### Issues resolved

| Area    | Issue                                                        |
|---------|--------------------------------------------------------------|
| App     | Improved “Clean User Data” action                            |
| App     | Synchronization to VST Live Mods iOS application             |
| App     | Improved memory usage while loading or creating new projects |
| App     | Reload hidden lower zone after new project was loaded        |
| App     | Remove empty folders from imported media projects            |
| App     | Improved Setlist                                             |
| App     | Improved load and insert song actions                        |
| App     | Crash on exit with active Metronome channel                  |
| Actions | Improved load and save                                       |
| Chords  | Remove unwanted slash notes from imported media projects     |



|             |                                                                          |
|-------------|--------------------------------------------------------------------------|
| Component   | “VST Live...” menu only visible for English language                     |
| Component   | Export of audio tracks                                                   |
| Layer       | Missing <nc> entry for “Send MIDI-CC Controls”                           |
| Layer       | Improved load and save                                                   |
| Layer       | Open/Close state for “Send MIDI-CC Controls” view                        |
| Layer       | MIDI Input Display not updated after renamed Input has in Connections    |
| Layer       | Remove Record Control from global Layer                                  |
| Layer       | Remove Tracks menu from global Layer                                     |
| Lyrics      | Lyrics events lost for old projects                                      |
| Notes       | Changed Time Marker from seconds to beats                                |
| Preferences | Removed "Audio / Master Out" entry                                       |
| Plug-In     | Removed double entry when VST2 and VST3 plugs are available              |
| Plug-In     | Remember position of editor                                              |
| Plug-In     | VST2 editor size wrong when editor is opened again                       |
| Plug-In     | Some keys (space, left, right, up, down, ...) are not send to the editor |
| Plug-In     | Tempo and time position always 120 while play state                      |
| Song        | Trigger Beats do not follow Tempo track                                  |
| Song        | End Action broken                                                        |
| Stacks      | Preload broken                                                           |
| Tracks      | Drag sliced MIDI of sampler track                                        |
| Tracks      | Drag external MIDI file to sampler Track                                 |
| Tracks      | Focus lost after dragging clips                                          |
| Tracks      | Improved video engine                                                    |
| Transport   | Time position editing broken                                             |

# VST Live Pro 1.1.0 & VST Live Elements 1.1.0

## October 2022

This version contains the following improvements and issue resolutions.

### Features

- Signature and Tempo Track
- MIDI/DMX Editor
- MIDI Learn
- Actions and Shortcuts
- Modules Support
- Global Part
- Time Marker for Notes
- Backup Archive
- Import Audio from Video
- MIDI CC Quicks for Layers
- Video View Control Center
- Copy / Paste Mixer Channel settings
- Resizable Lower Zone

### Issues resolved

| Area  | Issue                                                   |
|-------|---------------------------------------------------------|
| App   | Undo and redo support for tracks, projects, and editors |
| App   | MIDI Monitor shows events from selected input           |
| App   | Visual feedback while loading project                   |
| Layer | No sound with moved layers                              |
| Layer | Program change and bank select reset on part change     |

|             |                                                    |
|-------------|----------------------------------------------------|
| Layer       | Controller map settings                            |
| Metronome   | Load and save channel settings                     |
| MIDI        | Windows: SysEx issues have been resolved           |
| Mixer       | Changed stack channels to purple fader             |
| Mixer       | Expand button has been removed                     |
| Notes       | Up/Down controls added                             |
| Plug-In     | Windows: Fixed 'Always on op'                      |
| Plug-In     | Empty state when plug-in is not used               |
| Plug-In     | Improved support for various plug-ins              |
| Plug-In     | Improved plug-in information                       |
| Preferences | Added Stacks configuration (sustain)               |
| Song        | Pre-roll setting is now saved with the project     |
| Tracks      | File Drop-Zone for sampler track                   |
| Tracks      | Open sampler track editor on track selection       |
| Tracks      | Moveable MIDI clips in sampler track               |
| Tracks      | Improved MIDI Player in cycle mode                 |
| Tracks      | Clip renaming in event info line                   |
| Tracks      | Open layer in MIDI inspector                       |
| Transport   | Updated forward and rewind user interface controls |
| Transport   | Count-In and pre-roll improvements                 |
| Transport   | Pre-roll control added                             |
| Transport   | Rec control start recording                        |
| Video       | Engine improvements for less powerful computers    |

# VST Live Pro 1.0.40 & VST Live Elements 1.0.40

## August 2022

This version contains the following improvements and issue resolutions.

### Features

- Added „Connections...” button to missing ports dialog
- Added slash support (C/F)
- Added <- and -> keys to select next/previous song
- Added factory presets
- Added Song-End action per song
- Send changed notes to MODS clients
- Added support to drag image files to video tracks

### Issues resolved

| Area   | Issue                                                            |
|--------|------------------------------------------------------------------|
| Tracks | Improved Video Clip playback for multi videos                    |
| Tracks | Fixed rare crash with multiple video clips                       |
| Tracks | Fixed rare crash with importing audio file                       |
| Tracks | Fixed import MIDI files with same name but different location    |
| Tracks | Added support of dragging multiple AIFF files to empty workspace |
| Tracks | Added size-handle for video clips                                |
| Tracks | Added missing “Create Lyrics...” entry to track creation menu    |
| Tracks | Added all events to off for DMX track when playback has stopped  |
| Tracks | Send multiple video tracks to one Video Monitor                  |

|                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
| Setlist            | Fixed song, part selection after key event (up/down)                     |
| Tracks             | Added Lyrics Visualizer for audience lyrics                              |
| Setlist            | Fixed expanded song states with many songs                               |
| Presets            | Fixed input dialog behind Plug-In Editor                                 |
| Plug-Ins           | Fixed Host-Sync to Plug-Ins Editor                                       |
| Plug-Ins           | VST3 Improved MIDI support (UVIWorkstation)                              |
| Plug-Ins           | VST3 Fixed aftertouch and pitchbend support                              |
| Plug-Ins.          | VST2 Fixed support for plugs with more than 32 channels (UVIWorkstation) |
| MIDI               | Improved MIDI engine, some input events were missing (Mac only)          |
| MediaBay           | Remove TEMPORARY label from controls section                             |
| MediaBay           | Added missing user presets label                                         |
| Layer              | Fixed and improved controller map dialog                                 |
| Layer              | Fixed actions display                                                    |
| Layer,<br>Keyzones | Fixed various display (rounding problem)                                 |
| DMX                | Added more support of various DMX interfaces                             |
| Chords             | Fixed delete chord via context menu crash                                |
| AudioEngine        | Improved stability when buffer size or sample rate will change           |
| App                | Import Signature/Tempo from media project (Cubase/Nuendo)                |
| App                | Added more user-friendly tooltips                                        |

## VST Live Pro 1.0.31 & VST Live Elements 1.0.31

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### July 2022

This version contains the following improvements and issue resolutions.

#### Issues resolved

| Area | Issue                                      |
|------|--------------------------------------------|
| App  | Elements Version crashed with new projects |

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## VST Live Pro 1.0.30 & VST Live Elements 1.0.30

**July 2022**

This version contains the following improvements and issue resolutions.

### Features

- Context menu for workspace and mixer
- Editable font size for lyrics view
- Import signature, tempo, and text of MIDI file
- Double-click of chord/lyrics track events opens editor
- Ctrl/Cmd with mouse wheel for zooming in chord editor
- Add "Import Video File..." to File menu
- Add sharp option to chord editor
- |-> and <-| DMX inspector buttons opens possible editor

### Issues resolved

| Area   | Issue                                                                   |
|--------|-------------------------------------------------------------------------|
| Chords | Improved Cut, Copy, and Paste                                           |
| Layers | Mute, Solo, Pan, and Volume are not linked to connected MIDI track      |
| Layers | Update MIDI Input display when connected MIDI track name changed        |
| Layers | "Do you want to delete MIDI Track" dialog missing ( <i>macOS only</i> ) |
| Layers | R(ecord) button not highlighted after usage it the first time           |
| Layers | Monitor button of connected MIDI Track is switchable                    |
| Lyrics | Remove default text with home director name                             |

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| Lyrics       | Updated events have no undo point                                          |
| Mixer        | Bus names of channels are not updated after adding new Output channel      |
| Mixer        | Typo for „Add Output Channel“ dialog                                       |
| Mixer        | Bus names of channels are not updated after renaming in Connections        |
| Mixer        | Some channels accidentally removed with <nc> selection                     |
| Mixer        | "Do you want to delete MIDI Track" dialog missing on macOS                 |
| Mixer        | Metronome, Instrument, and Stacks channels are no targets for sends        |
| Plug-Ins     | Some Plug-Ins have trouble with "Always on Top" mode ( <i>macOS only</i> ) |
| SamplerTrack | Do not show preset header                                                  |
| Tracks       | Import Ctrl/Cmd click to de/select events                                  |
| Tracks       | Added aif and mp3 support to import button (toolbox)                       |
| Tracks       | Muted clips not working                                                    |
| Tracks       | Video monitor not updated while switching songs                            |
| Tracks       | DMX track broken with new project                                          |
| Tracks       | DMX and lyrics events were broken when tempo changed                       |
| Tracks       | “DMX Mixer Out” not working                                                |
| Tracks       | Lyric and chord events were sliceable                                      |
| Transport    | Tempo is editable in transport panel                                       |



## VST Live Pro 1.0.20 & VST Live Elements 1.0.20

### July 2022

This version contains the following improvements and issue resolutions.

#### Features

- Apple Silicon Support
- Change order of layers
- Change order of tracks
- Change order of stacks
- MIDI events follow project tempo
- Select previous track after a track was deleted
- Handle C-key event
- Drop multi audio, MIDI, video files to track area - Drag MIDI file to workspace

#### Issues resolved

| Area   | Issue                                                     |
|--------|-----------------------------------------------------------|
| Tracks | MIDI files with .midi extension are not accepted          |
| Tracks | MIDI/audio inspector does not show <nc> for input display |
| Tracks | DMX tracks missing <nc> default display                   |
| Tracks | Ctrl + mouse wheel in workspace can result in crash       |
| Tracks | Cycle trouble video track                                 |
| Tracks | Update solo, mute, monitor and record buttons             |
| Mixer  | MIDI channels do not have a solo button                   |

|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| Mixer       | Soloed channels should also solo send channel                       |
| Video       | Show all possible video windows                                     |
| Video       | Fade in/out not working                                             |
| Video       | Video monitor selection from menu broken                            |
| Preferences | Improve plug-ins tab                                                |
| Preferences | macOS: Color selector can result in crash                           |
| Preferences | macOS: Song colors not selectable and result in crash on quit       |
| Plug-Ins    | Some plug-ins have a black editor                                   |
| Plug-Ins    | Some key events are not working                                     |
| Layer       | Text control of volume, pan, velocity, low and high are not working |
| MIDI        | Missing information what connection port will be observed           |
| Parts       | Undo after moving parts not working                                 |
| App         | Recent project fonts in menu too small (Windows)                    |
| App         | Mouse wheel for knobs not handled                                   |
| App         | Avoid right-click on various controls                               |
| App/Tracks  | Menu entry "Import Audio File" should check selected track          |
| USM         | Fixed sound                                                         |
| MODS        | Tempo and signature are wrong                                       |

## VST Live Pro 1.0.10 & VST Live Elements 1.0.10

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### June 2022

This version contains the following improvements and issue resolutions.

#### Features

- Fullscreen videos on Windows
- Minimum display resolution changed to 1280x768

#### Issues resolved

| Area       | Issue                                                        |
|------------|--------------------------------------------------------------|
| MIDI       | MIDI Out to external hardware not working or buggy           |
| MIDI       | PGM CHG not working properly                                 |
| MIDI       | Some Instruments need NoteOff events                         |
| Layer      | MIDI input menu for layer modules is incomplete              |
| Layer      | Drag effects from bay to layer                               |
| Lower Zone | Solo control color of small mixer is wrong                   |
| Lower Zone | Crash on loading projects when Quick Control View is visible |
| Mixer      | Cross send between groups is not allowed                     |
| Mixer      | Instrument channels of songs are shown globally              |
| Setlist    | Not working properly                                         |
| Stacks     | Deactivating FX send, re-enabled by error                    |

|          |                                                       |
|----------|-------------------------------------------------------|
| Stacks   | Missing Audio Input while loading saved Stacks        |
| Tracks   | Audio fades not working                               |
| Tracks   | Fix solo / mute cause problems                        |
| Tracks   | Cycle Marker not saved to Song                        |
| Tracks   | MIDI Tracks do not support SysEx                      |
| Video    | Fade in/out not working                               |
| MediaBay | Unwanted folder(s) in project                         |
| Actions  | macOS: Full screened menu results in crash            |
| App      | Background color of breakout windows                  |
| App      | macOS: "Don't show again" message not in the program  |
| Restart  | Message not visible after adding VST2 path preference |