

# VST Live Pro 2

## Version history

June 2024

Steinberg Media Technologies GmbH



# VST Live Pro 2.0.21

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## June 2024

This version contains the following improvements and issue resolutions.

### Features

Area	Issue
Actions	Global Layer Octave/Transpose

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### Issues resolved

Area	Issue
App	Improved Multi Processing
	Multi Processing always active when MTC was active
Mixer	Global Layer Routing to Song Groups with same names
Tracks	Improved Time while switching Songs

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# VST Live Pro 2.0.20

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## 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
Part	Channel Ordering wrong
	Play Control not updated if Trigger changed
	Triggers wrong when changed
Setlist	Improved Duplicate Name-Schemes
	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

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Improved DMX Playback

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

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Cycle not working

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Wave Drawing lost while zooming

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Reset Editor Infoline when clip or event will be destroyed

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SysEx Output wrong

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Splitting for MIDI Clips not working

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DMX Events wrong

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## VST Live Pro 2.0.10

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**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
	Improved Engine while changed Part Params while looping
Layer	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

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### 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

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Next/Prev Action not updating clip info

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Some DMX events were missing while playback

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Video sometimes not working with enabled Multithreading

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Video Clips Transition not working

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Improved Performance of DMX Playback Engine

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Route Sampler Track on creation to Song Channel

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Copy Multi-Selection for one track not working

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Editor loose selection while splitting clip (DMX/MIDI)

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MIDI Channel problem when Volume/Pan turns in OFF mode

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Clips after 6 minutes not shown (MIDI/DMX)

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Split events not working with Tempo Track and many events

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## 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

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Last geometry not restored with next start (mac only)

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New Song possible while Transport started

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

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Improve performance while switching songs

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Beat            Lost Main Channel

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Component    Exported Volume Fader of Cubase is wrong

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DMX Editor    Do not update events while mouse is outside editor

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

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Layer          Mute does not stop Sustain events

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Pan for shared layers not working

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

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MIDI Volume wrong for shared layers in different parts

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Visual artifacts in header

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

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Zones editor confused while global part selected

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

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

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Scrollbar visible, but not needed

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List Editor    MIDI Channels menu from 0 – 15

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DMX Editing not possible for value > 128

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DMX Editing not possible for channels and universe

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Lyrics         Stationary Cursor changes only work while Transport is running

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	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

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Plug-Ins not loadable when "Scan Plug-In On Start" is disabled

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Setlist Remove "Warn when activating Setlist" message Id

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Stacks Scrollbar visible, but not needed

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Tracks <nc> lost for reloaded projects

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BarBeat Timedisplay wrong

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Imported Cubase Instrument Tracks not routed to Main Out

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Copy/Paste crash for DMX/MIDI Editor

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Copy/Paste for DMX Events not working

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No Clip creation possible for imported Cubase Instruments Tracks

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Record Control not working for Folder Tracks

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Audio Crackle with DMX tracks

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Folder height restriction

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Duplicate Track not working for unselected track

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View not updated after "Import Song Project (TRACKS ONLY)"

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Chase Events not working with alternating and multiple channels

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Missing controller reset on stop

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Sustain Pedal should not be chased

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MIDI Controller Editor not restored correctly

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Missing Events while cycle

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Wrong audio file for multi audio recording

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Missing Context menu for Folder and Lyric tracks

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DMX Clip split not working

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Copy/Paste Tracks not always working

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Copy Folder tracks not working at all

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Undo/Redo problem for Clips when events created in editor

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Wrong MIDI events order for chased events

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No MIDI Meter for Controller events

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Deadlock with Transport Cycle ON

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Root Note of Sampler Track not working

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DMX Recording not working for first events

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Sampler Track piano not working

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Missing audio events for Playback

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Struggle with many DMX/MIDI Events

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Chased DMX events not working

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Dragging of small clips not possible

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Crosshair still visible after dragging

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Improve DMX clips drawing

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

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Pasted tracks lost track name

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No hint when saved Insert Plug-in was not loaded

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Transport      Display wrong after cycle

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## 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

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On Stop Behavior for DMX

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Line Tool for MIDI/DMX Editors

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MIDI-Controller Editor

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Tracks      Controller visuals to MIDI Clips

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MIDI Length Drag Editing in MIDI Editor

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Tempo editing for Tempo track

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ArtNet Support for 16 DMX Universe

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'Start Marker' to TRACKS

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Ctrl/Alt and mouse click to set Left/Right Locators

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#### 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

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Move Part to BAY twice not possible

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Trigger Time not follow time domain

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Parts Display wrong

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Setlists Wrong Song length with end markers

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Multiple setlist songs when pasting

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Drop appends when no selection

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Songs 'Save Song...' will not store all plug-in presets

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'Next Song' ignores "Start Marker"

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Shortcut Up/Down Keys not working for macOS

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Song number >99 not drawn

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Remove extra space from name for new created songs

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Stacks Remove when connected track is gone not possible

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MouseWheel not working for horizontal fader

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Lost input bus

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Tracks Visual Fade In/Out for DMX clips visible. Remove it.

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Slow Performance with DMX/MIDI clips and many events

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DMX Tracks have trouble to reconnect to Ports when the Port-Name has changed

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Inspector Track name not readable with bright track colors

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Drag Start-Position should not move clip

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Clip creation after DMX-Recording is very slow

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'Media Offline' message for new created event clips

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First video frames missing

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Tempo editing problems with BAR editing

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App Change close Video view

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Start and End Marker wrong while switching between songs

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Tracks Restore Video geometry wrong

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Chase for Program Changes not working

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Hotspot for Draw-Tool wrong

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Crash while Output Selection with <nc> assigned

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End Marker wrong when Tempo has changed

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MIDI-Volume controls Instrument-Volume

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MouseWheel not working for horizontal fader

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Context menu items not working if they used before

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Move clips before seconds=0 not always working

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EndMarker display wrong

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MIDI Notes not played when Transport starts inside notes

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## VST Live Pro 1.3.10 & VST Live Elements 1.3.10

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### 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



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Tracks      Missing Scroller for Signature Inspector

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Tracks      Multiple audio tracks record start and stop align

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Tunes      Improved Touch control

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## 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

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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

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# 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

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### 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

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### 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

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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

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### 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 *.vlprj 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 tunning
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"

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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



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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

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## 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

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## 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, Keyzones	Fixed various display (rounding problem)
DMX	Added more support of various DMX interfaces
Chords	Fixed delete chord via context menu crash
AudioEngine	Imrpvoed 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