

# Studio One 4 – Version History and Release Notes

This document lists all Studio One 4 maintenance updates and their included fixes and improvements.

## Version 4.6.0 Release Notes (December 10, 2019):

**Please note:** Studio One 4.6.x will be the final version supporting Windows 7 / 8 and macOS 10.11 El Capitan / 10.12 Sierra.

### New features and improvements:

- Ampire (3rd generation) – State Space Modeling Amp and FX Suite
  - independent “Ampire XT Classics” Extension for backwards compatibility
- New Plug-in: Pedalboard
- [Browser] Updated user interface with new Gallery view options
- [Browser] Improved navigation
- [Browser] New dedicated Shop tab
- [Patterns] Support for variable note lengths in melodic and drum Patterns
- [Patterns] Delay parameter per step
- [Patterns] Improved realtime recording
- [Patterns] Independent saving and loading of Pattern Presets
- Convert Instrument Part to Pattern option
- New Podcast Production Song Template
- Custom Podcast Macro page
- Improved tempo-matching for loops
- Improved copy/paste editing of Arranger sections
- Automation bracket tool now also works for multi-selection
- Gallery view for Fat Channel XT EQs and compressors
- Increased mouse target for fades for cases when handles overlap
- [Audio Batch Converter] Extended ID tagging for compressed audio formats
- [Presence XT Editor] Realtime time-stretching support
- New commands:
  - Select muted tracks
  - Invert track selection
  - Toggle “Range Tool in upper event area”
  - Remove crossfades

**The following issues have been fixed:**

- Disabling loop while playback may cause audio drop-out
- Scope shows very high latency when inserted in input channel
- [Presence XT Editor] "Remove Zone" jumps to bottom of list
- [Presence XT Editor] Parameter area UI sometimes misses update
- Certain audio parts won't play w/ "Solo" mode time stretching
- Transport RTZ not locating in Scratch Pad from zoom state
- GUI lag when editing lots of audio slices
- Loading FX Chains post fader slots doesn't load macro controls
- Wrong ranges and time signature results when copying certain events to scratch pad
- Copy arranger part to scratch pad per shortcut loses content
- Copy to scratch pad sometimes ignores space between arranger events
- Touch automation doesn't continue correctly on loop jump
- Fader height in console view changes back to default
- Imported MIDI files that were exported from Studio One creates double start and end markers
- Chords on an audio event re-appear despite being removed
- Qwerty keyboard with French keyboard layout requires shift for black keys
- Certain "Pinned" songs are not remembered after restart
- Video Offset barely legible in Light Scheme
- [Pattern Editor] Context menu command for half resolution missing.
- [Editor] Tooltips pop up on blank GUI
- Renaming song with "..." at the end causes error
- Potential crash when moving a track when other tracks are hidden
- "Automation - Next / Previous Parameter" doesn't work for multiple tracks
- Unwanted scrolling on double-clicking event when Editor is synced to arrangement
- Notes get shifted when applying "Delete Time" on tempo followed track
- Unwanted vertical shrinking of Drum Editor on "zoom to fit"
- EQ section of Open Air has no function
- [Pipeline] Crash on selecting "Assign in ascending order" when inserted on FX channel
- Chord track doesn't move with arranger sections on replace
- Time stretching with a fixed factor doesn't work when "follow chords" is active
- Music editor snap setting always defaults to Quantize

## Version 4.5.5 Release Notes (November 19, 2019):

### **New features and improvements:**

- [FaderPort 8/16] Added auto-fill mode for Plug-in parameters
- [FaderPort 8/16] Added Control Link paging
- [FaderPort 8/16] Updated parameter mapping for stock instruments (Mojito, Presence XT, Impact XT, MaiTai)
- [FaderPort 8/16] Added “Cue Mix” control
- [FaderPort 8/16] Added “Channel Gain” control
- [FaderPort 8/16] Added channel volume reset to default value (shift + touch fader)
- Updated Reference Manuals (FR, DE, ES, JP)

### **The following issues have been fixed:**

- [macOS ≥10.14] Some eLicenser™ protected plug-ins won't load
- [Impact XT] "Velocity Strength" is not remote controllable

## Version 4.5.4 Release Notes (September 17, 2019):

### **The following issues have been fixed:**

- [macOS ≥10.14] Some iLok™ protected plug-ins got blacklisted
- Potential crash when trying to copy & paste plug-ins inside the browser

## Version 4.5.3 Release Notes (September 3, 2019):

**MacOS Mojave (10.14) and Catalina (10.15) users**, please make sure that the plug-ins you are using match Apple's compatibility requirements before updating to Studio One 4.5.3. Incorrectly signed plug-ins will either be blacklisted by Studio One, or rejected by the operating system with this release.

### **New features and improvements:**

- Support for Native Instruments' Complete Kontrol MkII series keyboards
- [macOS] Support for [Apple Notarization service](#)
- "Remove Plug-in Settings" function for Plug-in Manager
- Volume automation curve now compensates logarithmic fader curve
- "Select Notes" command is now applicable to muted notes
- Channel polarity switch is now excluded from grouping
- Added commands for "vertical zoom in/out fine"
- Dragging multiple Patterns to the browser is now supported

- Improved sidechain handling for VST2 Plug-ins
- Improved Chinese localization

**The following issues have been fixed:**

- [Mixer] Sends are hidden under certain conditions
- [Mixer] Side-chaining with Mix FX included will mute under certain conditions
- [Mixer] Lag on VCA fader adjustment
- [Scratch Pad] Wrong instrument part length when using step record
- [Scratch Pad] Lost focus when using “locate cursor” function
- [Scratch Pad] Loop range lost when dragged across arrangement border
- [Pattern Editor] Variation name cannot be edited from pattern editor toolbar
- [Audio Batch Converter] Crash on repairing sample rate with certain mp3 files
- Multi Instrument transform restore omits channel inserts
- Qwerty Keyboard device has wrong mapping in Swiss and Canadian French layout
- No input metering during record w/ tape style and disabled monitoring
- Crash on invoking "Insert Rest" command when not in Step Record mode
- When "snap" is disabled, "play selected range" won't stop when playing small audio segments
- Using Shift+S as keyboard shortcut for "Solo" triggers "Solo Safe" instead
- Random freezes on previewing MIDI files from the browser
- Softube Console 1 AU not properly unloaded on removal
- Altered metronome accent volume resets to default on relaunch
- Decimals missing in Export dialogs
- Instrument preset list and browser out of sync
- Chord track offset when chord doesn't start at event start
- Certain MP3 files won't import
- First notes missing on bounce in certain cases
- Short notes being dropped with large block sizes

## Version 4.5.2 Release Notes (July 9, 2019):

**New features and improvements:**

- [Fat Channel] Support for increased Q value on parametric EQ for Series III mixers\*  
\*This affects Q automation in songs created in previous versions. Make sure to render / bounce affected tracks before updating.
- [Project Page] Added “Normalize Track” function
- [Project Page] Added an inplace inspector for tracks

- [Project Page] Track commands are now assignable
- [Project Page] Streamlined digital release dialog
- [Macros] New menu items are now inserted at the end of the list
- “Edit Macro” and “Duplicate Macro” are now available for menu items
- Transform tool in instrument editor now keeps selection
- Added "Time Lock" & "Edit Lock" Parameters to Event Inspector
- Input selectors in groups are not linked anymore
- Added a group color bar in track controls

**The following issues have been fixed:**

- Pipeline not working after transforming audio
- Layout issues with Japanese strings
- Layout issues in video export dialog
- Unable to change the color of selected channels in certain cases
- Sample position shift with ARA plugins
- "Normalize Audio" command should toggle
- Default Plug-in Manager window is too large
- Certain plug-in thumbnails not showing
- Crash on applying macro to split at marker
- DDP image created when cancelled with [Esc] key
- Cut-off strings in localized quantize panel
- [Ripple Edit] Dragging Audio Events from other tracks doesn't ripple subsequent events
- [Ripple Edit] Duplicating with keyboard command doesn't ripple subsequent events if there is space
- [Ripple Edit] Marker deletion is prevented
- Nested groups cause faders to jump when full group is re-enabled
- [Impact XT] Can't replace sample by drag and drop from browser
- Console Shaper won't audition on mono bus
- Missing note-off for Note FX when switching track
- Melodyne level changes with 64-bit process precision
- Potential crash on video export
- Change instrument no longer affects all selected tracks
- Transform back to Instrument Track doesn't restore Note FX automation
- Hidden plug-ins still shown in certain areas
- Wrong first frame displayed when exporting video in loop range
- Potential crash extracting audio from certain AVI video files
- Crossfade shape at the end of events not following correctly when tracks are grouped

- “Trim Start/End To Cursor” won't work with (Edit) Groups
- [Windows 7] Erratic behavior when importing certain .m4a files
- [Windows 7] Export video fails for certain formats
- Dragging parts from Scratch Pad to Groove produces incorrect result
- Navigation with arrow keys stops on nested track folders
- [Windows] Holding mouse down on chord block moves chord events
- Track notes are removed when transforming track to rendered audio
- Zooming selected automation track should not affect parent track
- Embedded AAF files exported from Studio One get truncated in Pro Tools
- [External Instruments] Labels CC71 and CC74 are swapped
- [Audio Batch Converter] Metadata not copied during processing
- [Audio Batch Converter] Potential freeze with plug-ins having more than one input
- Reverse sidechain selection - Alt/Option+mouse click to select all / none is not working as expected
- GUI issues in Chord Picker
- [Macros] Renaming a copy is followed by an error message
- Deleting a Scratch Pad sometimes causes hanging / freezing
- Bend marker editing on stretched part not correctly redrawn
- Paste to locked track creates new track
- Visual group aids missing on grouped channel duplicate
- Potential crash on closing a song w/ imported data
- Copying automation between parameters won't work
- Waveform not updated when recording into layers on an external FAT device
- Resolution and timebase not stored in template
- Solo (S) key command not working with groups
- Editing clip gain and fades won't work in (edit) groups
- Note events in loop mode shouldn't be quantized when IQ is off
- Renamed Macro loses its shortcut
- Chord Preview preset path shouldn't show "User Presets"
- Adding new Instrument Track makes hidden mixer bus channels visible
- Master bus pre/post metering incorrect
- [macOS] Double-clicking a .song file opens the Start Page instead
- MIDI velocity decreasing by 1 on import
- Windows audio stops sound if using 64-bit process precision
- Commands are interpreted in wrong focus area when application is in background
- Potential freeze when triggering macros via touch interface
- Simple command macros not working

- Potential crash on writing automation on multi-out channel
- Potential crash on “Import Song Data”
- [Macros] "Show in Explorer / Finder" has no effect when "Select in Pool" was executed before
- "Clear Pattern" in detached Quantize Panel of editor clears Q-pattern in Arrangement
- Moving multiple Arrangement sections might delete time signatures
- Selection-based groups not changing the inputs for all selected tracks
- “Distribute Notes” ignores first note
- Wrong event focus when switching layers
- Swing notes not divided correctly when painted
- Level Meter stops updating when switching modes
- [Project Page] Crash on Right-/Ctrl+click in empty timeline
- Musical Editor selection issues
- Deleting Scratch Pad/s might delete adjacent tempo node/s
- Deleting entry from download list also deletes selected event in arrangement
- Exporting video between loop will lose orientation information
- File rename should contain the current file name
- Randomize Notes - note length entry requires trailing space
- Suspending a group is not undoable
- RSS feed takes too much time to load

## Version 4.5.1 Release Notes (May 29, 2019):

### **The following issues have been fixed:**

- Faulty assignment of ATOM pads
- Plug-in Scan freezes when Windows is offline
- Volume automation is laggy
- Crash on undoing instantiation of instruments
- Audio events disappear on bounce when writing tempo information option is disabled
- Crash on hitting Alt+Arrow up/down in empty song
- Limiter metering mode switch is broken
- Pop-up menu for "Add Insert" command has wrong properties

## Version 4.5.0 Release Notes (May 21, 2019):

Studio One 4.5 adds the following new features and improvements.

### Recording and Mixing

- Redesigned hardware controls (gain/polarity/48V) on mixer channels (for compatible PreSonus interfaces)
- Input Mixer: software gain / polarity controls on every input
- Software input gain / polarity controls on every channel, bus and FX channel
- Extended grouping system with attributes (Volume, Pan, Mute/Solo, Inserts/Sends)
- Groups definable as Edit- and/or Mix-Groups (with attributes)
- Commands/shortcuts to suspend any group
- Command to suspend all groups
- Support for unlimited nested groups (groups within groups)
- New Groups section in Track List and Channel List
- Optional group name display on channels with Group assign and renaming options
- Customizable Channel Components in Console
- RMS/Peak metering option per channel
- Global Pre-Fader Metering option
- Quick-assign I/O routing for multiple selected channels
- Quick-assign outputs in ascending order
- Basic and Advanced Plug-in menu styles
- Alternative (reverse) Sidechain routing
- Copy Plug-ins with Sidechain routing

### Arrangement and Editing

- Lock Events (with position and editing options)
- Lock Tracks option
- Independent Quantize/Timebase/Snap options
- Snap to Zero Crossings

### Musical (MIDI) Editing

- Chord Audition option in Chord Selector
- Chord Audition option for chord events in Chord Track
- User assignable Chord Audition sound
- New Major/Minor Triad scales



- Re-organized Musical Actions menu
- Stretch multiple notes by dragging
- Note Action: Apply Scale
- Note Action: Distribute Notes
- Note Action: Randomize Notes
- Note Action: Quantize Notes
- Note Action: Mirror Notes
- Note Action: Repeat Notes to Part End
- Note Action: Thin out Notes
- Note Action: Fill with Notes

### **Workflow**

- Independent Macro Toolbars for Arrangement, Music Editor and Audio Editor
- Macro Toolbar: custom menus
- Macro Toolbar: direct macro editing
- Macro Toolbar: Duplicate Macro command
- Macro Toolbar: “move to Group” command
- Impact XT: drag more than 16 samples or slices
- Patterns: support for Quintuplets / Septuplets resolution
- Improved swing timing for patterns with individual lanes resolution
- Stem Export: quick drag>select tracks/channels
- Stem Export: save selection when closing window
- Song Data Import retains “Disabled” track state when importing
- Fat Channel XT modules retain state when switching
- Instrument list: “disable all” option
- Instrument list: “remove unused” option
- Store Presets with folder selection
- Assignable F13-F24 keys
- Recall any Marker with shortcut
- One-step Audioloop export (drag&drop)

### **User Interface**

- Smooth audio waveforms (option)
- Macro Toolbar icons update
- Sample One XT / Impact XT: improved unit readouts

## Performance

- Improved CPU performance with Multi Instruments
- Improved CPU performance with Mai Tai, Sample One XT, Impact XT and Presence XT

## Hardware and Installation

- I/O Setup: add multiple inputs or outputs
- I/O Setup: re-order inputs / outputs with drag & drop
- New Plug-in Manager with filters by format and vendor
- Plug-in Manager: list and reset blacklisted plug-ins individually

## Import / Export

- Import / Export I/O Setups
- Video Export option with multiple codec support (platform-dependent)
- MP3 Export with variable bitrate
- AAC support (Import / Export), including ALAC (Apple Lossless)
- Mono option for Export Mixdown

## Other

- [VST3] Support for program pitch names and key switch API
- [VST2] Host-specific extension to query key switches from plug-ins

## The following issues have been fixed:

- Text field may lose focus when search result is displayed
- Artifacts with volume automation
- Very short MP3 files cannot be imported
- Macro toolbar presets get lost if multiple songs are closed in a certain order
- Bounce in place inserts silence when there's an Open Air instance as EventFX
- VCA automation offset incorrect
- Click coordinate of pen is slightly off
- Potential lockup when using "Follow Chord"
- True Peak sometimes delivers wrong values
- [MacOS] Random order in file lists generated from APFS volume
- Mod wheel assigned to Sample One eco filter behaves unexpectedly
- Note FX remain active after rendering with Chorder

- Track Transform does not retain VCA assignment
- Track/channel colors lost on transform multi-out instruments
- Some elements need more contrast in Light Theme
- Some time-stretched events in Scratch Pad play back incorrectly
- [Windows 7] Potential crash while applying Touch+Swipe on certain plug-ins
- Typos in AudioBox 1818VSL I/O labels

## Version 4.1.4 Release Notes (March 26, 2019):

### New features and Improvements:

- Support for PreSonus StudioLive S-Series mixing consoles
- [Browser] Added “Funk”, “Soul”, “Latin” tags to Style category
- [Browser] Added “processed” and “riff” tags to Character category

### The following issues have been fixed:

- [DAW Mode] Moving the master fader turns all of the Main meter LEDs off momentarily
- Incorrect transposition in certain cases when audio is time-stretched
- [macOS Mojave] Studio One stuck at "Starting External Devices..." on launch while certain gear wasn't connected
- [macOS] Cmd+Drag won't remove plug-in
- [Windows] Installer does not clear the factory templates folder
- [Midi] On certain presets, switching Osc 1 to Sine stops audio
- [Mixer] “Send” slot height resets when opening outputs pane
- [Mixer] Changing the level meter scale won't refresh the side meter
- [Mixer] Track focus is shifted when console view was closed and reopened
- [Music Editor] Pitch selection doesn't follow when moving notes
- [Music Editor] Some bold grid lines are missing
- [Music Editor] Notes w/ velocity value “0” can be entered but “1” will be played
- Music Editor isn't updated correctly at certain zoom levels, events seem to disappear
- [Ripple Edit] Moving parts upstream sometimes causes overlaps
- [Tempo Track] Scrolling horizontally won't update tempo node label(s) at certain scroll speed
- Freeze on enabling Chord Follow on Presence XT instruments w/ Key Switches
- Arrangement scrolls away from current track when navigating automation nodes with arrow keys
- Automation glitch when using 'Undo' command after 'Move to Cursor'
- Audio track muted when use mute solo in certain combination

- Focus of "New Song" dialog is lost when mixer is still open
- Touch events are delayed on the mixer controls
- CD-Text "Genre" field truncated on writing DDP
- In certain song templates, "Volume" and "Mute" automation is not correctly localized
- Audio outside the bend range is altered
- Track delay is inverted when Melodyne is involved
- Tool Tips and Info Texts not available on screen-sharing via 3rd-party apps
- MIDI on/off issues (e. g. sustain pedal) when plug-in delay is higher than 120 ms
- Certain songs with Sample One XT cannot be renamed
- "Strip Silence" keeps unwanted parts
- Inversions of 7th chords are not recognized
- Musicloop import fails with multiple loops
- Wrong note position when using pre-count in mix mode
- Time signature is overwritten when drag'n dropped to destination bar
- Potential crash when activating surround outputs in NI Kontakt

### Version 4.1.3 Release Notes (January 24, 2019):

#### **New features and Improvements:**

- Support for Studio USB-C Series audio interfaces
- FX Sends are now visible by default on the console

#### **The following issues have been fixed:**

- Tight bend markers are ignored on load; editing causes glitches
- Crash on opening the Musical Editor by double-clicking a selected event which has no focus
- Unwanted movements of Loop Markers when editing tempo
- AAF files exported from Studio One with clip gain involved will shift Audio Events on re-import
- [macOS] Missing right-click context menus in some areas

### Version 4.1.2 Release Notes (January 15, 2019):

#### **New features and Improvements:**

- AAF export now compatible with Digital Performer 9 (legacy mode)
- AAF volume automation support for Pro Tools
- Alternative incremental workflow for Song Versions

- Quantize Macros now work without forced Auto-Quantize
- Safety query for resetting recent song list
- Tempo Warp in arrangement now updates the editor display
- Better error handling in case of product activation failure

**The following issues have been fixed:**

- Groove Quantize always affects velocity
- Sustain parameter is continuous for stock instruments
- Drawing Automation backwards doesn't work correctly
- Tempo ramp causes audio artifacts
- [AAF] Event gain not translating into Pro Tools clip gain
- Wrong English translation "Quintole" and "Septole"
- [Impact XT] Clear Bank and Pad do not clear parameters
- In certain cases, Melodyne won't sync to Song tempo
- [Tempo Track] 'Delete Range' inserts unwanted Time Signature change
- Relative movement of two adjacent notes no longer possible
- Inconsistency when using "Select Notes...> Select at interval" command
- Notes played in precount/preroll have incorrect length when recorded
- Time Stretching kills transients when Tempo Track is used
- Notes recorded before active loop are shifted to left locator
- Redraw error in Pattern Editor controller lanes
- IR Maker help page text not legible
- [macOS] Remove "Release audio device in background" option (Windows-only feature)
- [macOS] Some keyboard shortcuts ignored when editing text in Track or Channel Name field
- [macOS] Holding cmd+w opens multiple dialogues, crashes on confirmation
- Splice license conflict w/ previous Artist activation on same account
- Crash on hitting "Return" key when assigned to Navigation > Enter
- Waveform graphics rendered with half-sample offset on bounce
- Track notes don't persist through transform operations
- "Delete external device" dialog lacks confirmation
- Mouse scrolling doesn't work on mixer inserts
- Crash when switching editor from melodic mode to drum mode at small window sizes
- Right-click mouse state not reset when loading a song version from recent list
- Freeze on zooming beat-linear audio parts in and out repeatedly
- Switching to another Song Version can break the Project < > Song connection
- When the editor is detached, deletion of selected notes will delete containing part

- [Scratch Pad] note length value jumps to unexpected value while modifying in Inspector
- Wrong Track order when duplicating Track with mouse
- Crash when opening "Tracks" node in file browser on certain songs
- MIDI Markers not embedded into MIDI files (when using "Save As")
- Warp Marker editing causes glitches
- Exchange update button hard to read in light mode
- Unwanted scrolling in arrangement when editing Event in Folder Track
- Crash on 'Select from event till end'
- Crash when removing Splitter from fx chain
- Ripple Edit in Folder causes Track to shift
- "Split At Grid" broken when Event is located at a specific position
- [Project Page] Album / Artist text fields lacking contrast on edit when light theme is used

## Version 4.1.1 Release Notes (October 30, 2018):

### **New features and Improvements:**

- [ATOM] Keyboard mode for Melodic Editor
- [ATOM] Bank button follows bank color
- [ATOM] Added user command assignments to pads 1-8 in Setup mode
- [ATOM] Play button will change from green to light blue when loop is active
- [Impact XT] Multiselect for pads (Shift or CMD)
- [Tempo Track] improvements for "Scale Time" manual tempo mapping
- [Tempo Track] Update timeline in real time when warping
- Master volume values are shown when slider in transport bar is moved
- Increase grab area for automation lines by one pixel on each side
- "Follow Chords" settings are now remembered when reverting instrument transformation
- Improved spacing in Editor Inspector's chord input display
- Added automatic detection for CME Xkey devices
- Optimized MIDI update rate for Control Surfaces

### **The following issues have been fixed:**

- [Windows 7] Application hanging on launch with nVidia drivers newer than v388.71
- [Windows] Video not displayed on specific hardware
- [Windows] Pen support disabled
- [macOS] System command focus not working in dialog edit field
- [Project Page] Audible pops at song transitions

- [Project Page] Loudness detection post fx broken
- [Browser] Crash on "Merge to Stereo File"
- [Chord Track] Potential crash when playing back song with universal follow mode
- [Chord Track] Dragging chords over existing ones won't reflect changes
- "Follow Chords" creates wrong results when notes are longer than parts
- "Copy to new Scratch Pad" ignores Tempo Track
- Arranger track edits ignore time signature changes
- Incorrect initial send automation on reloading a song
- Freeze on moving Bus Channel
- Added tempo points not snapping to grid
- Timeline jumps when timebase is set to Beat-Linear
- Restore version creates duplicate song version
- Moving first tempo point of Scratch Pad impossible
- In Beat-Linear mode, "Zoom to Loop" scrolls to wrong position
- In Beat-Linear mode, the Waveform disappears on audio event in Scratch Pad
- When "Release Audio device in Background" option is checked, Studio One exits looped region on losing focus
- When "Apply folder track color to content" option is checked, the tracks inside a folder become all grey
- Unexpected bounce results on different dropout protection settings
- [Macro toolbar] Potential crash on clicking "New Page"
- Nebula 4 VST2 plugin not loading
- Soloing a Solo Safe Bus without function
- Control linked channel fader jumps to initial value when assigned to control linked VCA
- [Impact XT] Realtime amp decay changes are glitchy
- Audition notes not working when cursor follows edit position
- Reveal precount early note extends to bar 1 when qwerty keyboard is used as input
- Potential crash on undoing track duplications
- Note-on at left locator recorded after loop cycle is placed wrong
- Wrong note length and start position when played at right locator with Offset enabled
- Wrong text color / background color for edit boxes of Arranger Track Inspector items
- Odd behavior when copy/pasting automation point
- Crash when saving song w/ empty Presence
- Certain songs w/ Melodyne 4.2 get stuck at playback
- Some add-ons (Sound Sets, VU-Meter, etc.) missing in Studio One Demo
- Song loses "pin" state after restoring versions
- Split at Grid only splits first few bars with odd tempo
- Unexpected duplication result on event following chord

- Crash on closing song after deleting Scratch Pads

## Version 4.1.0 Release Notes (September 13, 2018):

### **New features and Improvements:**

- Support for PreSonus ATOM Production and Performance Pad Controller
- New Pipeline XT plug-in for routing of external effects
- Extended Note Repeat with keyboard remote
- Tempo Automation
- Beat-linear timeline option
- Improved manual tempo mapping with Scale Time tool
- Tap tempo via keyboard shortcut
- AAF export options (including embedded AAF support)
- Import Song Data from song template
- New “Cue mix mute follows channel” option
- New look for External Device panels and QWERTY Keyboard
- The macro bar now stores the last page viewed per editor
- Select Highest or Lowest notes more accurate when overlapped
- Key command mapping for "Song Setup" dialog
- Tempo map added to rendered click file
- Improved zoom and scroll behavior in Pattern Editor
- [Windows 10] System DPI scaling option for third-party plug-ins
- [Windows] “Enable High DPI Mode” option is back

### **The following issues have been fixed:**

- [macOS Mojave] Scrambled icons in message boxes
- [macOS] Accessibility zoom breaks context menu
- [macOS] Deadlock on clicking main menu bar with system file selector open
- [Windows] Help Viewer doesn't adapt to different monitor DPI
- [Melodyne] Editor not immediately opening on edit
- [Chord Track] Wrong detection inside arpeggios
- [Chord Track] Accidentals not displayed correctly in the pop-up selector
- [Drum Editor] Unwanted double notes when duplicated
- [Drum Editor] Duplicating notes with swing are placed in wrong location
- [Track Inspector] Automation controls background missing
- [Track Inspector] Event FX container doesn't remember size



- [Track Inspector] Automation parameter select-box text is hidden by color field
- [Presence XT] Ping Pong looping issue with short samples
- [Presence XT Editor] Crash on copying zones
- [Impact XT] Amp envelope should be exponential
- [Impact XT] Missing "Cancel" button on initial sample search
- [Impact XT] Pad Names are overwritten while editing (user vs file name)
- Macro toolbar scripting error
- Pitch editing doesn't accept B from keyboard, changes it to A#
- Enabling Note Repeat aftertouch + playing aftertouch causing infinite note
- REX file import issue when song sample rate is different from file
- Playback of stretched audio sometimes incorrect
- Remotes do not generate undo steps for all parameter changes
- Wrong waveform drawing when creating loop range
- Potential crash when opening detached audio editor
- Channel macros lost connection to parameters on Import Song Data
- Steps placement is incorrect when duplicating a Pattern
- Plug-in thumbnail icon not inverted in light theme
- Applying Mute on mouse down causes audible clicks
- Crash on save after removing Multi Instrument
- GUI artifacts while scrolling w/ TAB thru track name fields
- Copying an event from a folder pastes it on a new track
- Song parameters are reset when Time Base is changed to Frames
- Wrong inverted note selection in a duplicated (shared) part
- Wrong automation result after moving arranger section
- "Move" and "Copy" w/ Ripple Edit on the same track deliver different results

## Version 4.0.1 Release Notes (July 10, 2018):

### **New features and Improvements:**

- Studio One 4 Prime available
- [Impact XT] Keep MIDI note assignment when using "Clear Pad" or "Clear Bank"
- [Impact XT] "Show in Finder/Explorer" option in pad context menu
- [Sample One XT] Improved backwards compatibility
- [Pattern Editor] Improved Variation selection (clickable area)
- [Pattern Editor] Added tool tips for columns
- [Drum Editor] Note color by pitch reflects pad colors when Impact XT is used
- Improved editors scrolling, zoom and focus behavior

- Ripple Edit now also working in Audio Editor
- Default color for chords
- Light Theme adjustments
- The editors have a minimum size now
- Various user interface design corrections
- Various localization fixes

**The following issues have been fixed:**

- [Arranger] Song Offset Causes Time Ruler Numbers to Disappear on Zoom
- [Arranger] Transform does not work for Pattern
- [Arranger] Crash in track navigation with shift+arrow key
- [Arranger] Crash on creating an audio track when no input device is selected
- [Arranger] Unable to use up/down arrows to scroll tracks w/ collapsed folders
- [Arranger] Can't drag .musicloop with pattern to audio track
- [Arranger Track] „Don't follow Track“ setting causes errors
- [Arranger Track] Events don't follow correctly on tracks with different time formats
- [Chord Track] Auto-scroll not working when Chord Track is last or only header track
- [Chord Track] Duplicating chord blocks doesn't retain original color
- [Chord Track] Follow Mode not visible in minimum screen resolution
- [Chord Track] Inconsistent behavior when editing chords (Resize adjacent)
- [Drum Editor] "Duplicate" inserts notes at wrong position
- [Impact XT + Sample One XT] Automation orphaned from v3 to v4
- [Impact XT] Follow Tempo produces clicks
- [Impact XT] V3 mono outs 1-8 change to stereo out 9-16 in V4
- [Low Latency Monitoring] Bounce renders empty if Monitor on w/ Ampire
- [Macros] Moving groups sometimes deletes the selected page
- [Macros] Note Length not applied correctly to last chord in a part
- [Macros] Note selection not accurate
- [Melodyne] Detached window opens in wrong size, and sometimes freezes
- [Mixer] Input insert bin - only half of the vertical space is used
- [Mixer] VCA channel is muted after reload song
- [Music Editor] No consecutive X:Y drag actions possible after note insert with arrow tool (double click+hold)
- [Music Editor] No NoteOff generated on first loop cycle for overlapping notes
- [Pattern Editor] Automation Lane Changes on Loop
- [Pattern Editor] Drum Mode automation lane not changing to related pitch on touch input
- [Pattern Editor] VST2 Automation in Pattern shows current value for every note

- [Preferences] "Copy external files when saving song" option ignored on samples dropped on Impact XT & Sample One XT
- [Presence XT] Editor icon picker has no contrast
- [Sample One XT] Free LFO works the other way around
- [Sample One XT] Freezes on exchanging 96K samples while song is playing
- [Sample One XT] issues with S1 v3 presets
- [Sample One XT] Pitch not responding on LFO, Env or pitch-bend when "Follow Song Tempo" is enabled
- [Sample One XT] Wrong Filter parameter states when loading v3 song
- [Scratch Pad] Bar offset is ignored
- [Scratch Pad] Wrong part size when using negative numerical start value
- [Scratch Pad] Possible to extend Part start beyond Scratch Pad causing unexpected length of the Part
- [Scratch Pad] Offset event w/ Melodyne edits not copying to new Scratch Pad
- [Slate Raven] Applying touch automation selects the track instead of writing automation
- [Slate Raven] Crash when removing inserts from the channel editor
- [Slate Raven] Display ID Index Shift
- AAF Audio on single track with automation not imported
- AAF import of certain Samplitude files not working
- Beat offset and Start/End Markers in Song Templates
- Bounces are cut by latency reported by plug-in
- Certain legacy songs won't save
- Context menu latches focus item on mouse down
- Crash on switching presets inside u-he Diva AU
- Crash when switching patterns with different control lane parameters
- Cue Mix section of FX channels cropped
- Duplicate complete omits an automation envelope
- Event Inspector cannot have arbitrary size anymore
- Extension dialog uses multiple font baselines
- Inverted color of fader bar-graph
- Multi instrument size issue
- Qwerty keyboard issue with Record Offset
- Scroll handle disappearing on lists with horizontal and vertical scrollbar
- Shift Root (Alt + Scroll) causes focus on Menu
- Time signature markers can't be deleted
- Transport bar elements hidden (language dependent)
- VST support plugin not connected to Artist flavor
- XML import doesn't work with Cubase 8 demo song

## Version 4.0.0 Release Notes (May 22, 2018):

This initial Studio One 4 release adds the following new features and improvements.

### Arrangement / Editing

- Chord Track
- Realtime chord re-harmonization of Audio and Instrument Tracks
- Intuitive Chord Selector
- Automatic chord detection
- Realtime chord input from MIDI device
- Song Key Signature with detection
- Chord Transpose
- ARA 2 support
- Expanded “Send to Notion” option for lead sheet creation
- Ripple edit mode
- Relative bar offset for songs
- “Remove gaps” for Events

### Virtual Instruments – Impact XT

- new look and feel
- 8 pad banks
- 32 outputs (16 stereo, 16 mono)
- color option for pads
- new 24dB zero-delay feedback filter
- filter drive and punch controls
- filter "soft" (clipping) mode
- pad and individual sample editing
- new stack mode for layering samples on a pad
- realtime time-stretching (follow song tempo)
- trigger quantization
- sample choke with 32 choke groups
- reverse sample playback
- sample level normalization
- increased pitch envelope range (+/- 48 semitones or 8 octaves)
- improved sample navigation
- “Pad Follow” mode for remote navigation

- drag & drop pad swapping
- drag & drop multiple samples at once
- optional auto-slicing on sample import (shift)
- “Send to new Impact” shortcut in audio context menu
- drag & drop sample import from Sample One XT and Presence XT
- import and export of multisample files and ".soundx" containers
- eight user-selectable color themes

### **Virtual Instruments – Sample One XT**

- new look and feel
- record page with live sampling
- samples from any hardware input, send, output, other instrument
- auto-slicing mode creates new samples automatically with adjustable gate
- global and individual (sample) edit modes
- fx section: modulation, delay, reverb, gater, eq, distortion, pan
- expandable keyboard
- realtime time-stretching (follow song tempo)
- sample snap to zero crossing
- sample crossfade
- waveform slicing option
- sample trim option
- sample sustain, release and ping-pong loop modes
- graphical envelopes with adjustable attack, decay, release curve shapes
- increased pitch envelope range (+/- 48 semitones or 8 octaves)
- alternative trigger modes: normal, one-shot, toggle
- visual play cursor in waveform view
- sample reverse playback
- sample level normalization
- new 24dB zero-delay feedback filter
- filter drive and punch controls
- filter "soft" (clipping) mode
- LFO random (sample+hold) mode
- master volume control
- adjustable voice limit
- import and export of multisample files and ".soundx" containers
- drag & drop export to Impact XT
- eight user-selectable color themes

### **Virtual Instruments – Presence XT Editor**

- sample snap to zero crossing
- reverse playback option
- 1,000 choke groups
- ping-pong loop mode
- play-cursor in waveform display

### **Music Editor**

- Drum Editor
- Drum and Melodic Patterns and Variations
- Patterns saved in Musicloop
- Automatic mapping (Impact XT)
- Alternate note coloring schemes
- Sync option for editors
- “Select notes...” options
- New or improved note event options (Humanize, Length, Velocity, Delete Notes)
- Multiple Macro toolbars (page selection)
- Improved multi-editing
- Preserve and restore zoom states

### **Import / Export**

- AAF Import / Export (supports Pro Tools, Logic, Nuendo, Final Cut Pro, Premiere and others)
- Import Song Data

### **User Interface**

- Alternative “light” color scheme
- Additional appearance presets
- Updated mix console design
- Track / Channel Notepads

### **Content**

- New Sound Set “Impact XT Kits and Sounds” (1.8 GB)
- New Demos and Tutorials (1.6 GB)

**Other**

- External Plug-in scanner (VST2, VST3)
- MP3 Encoding in all versions