

WHAT'S NEW?

12.5.1 (21/09/2017)

Changes

Dock panels open when mixer tracks are assigned to them

Bugfixes

Deselecting all items in a row doesn't work when the first item is not at the start (playlist and piano roll)

FLP file becomes much larger when patterns are grouped

Some VST plugins can hang when the plugin window is detached and its opened and closed repeatedly

Strum tool turns step notes into regular ones on all channels

Compressor: parameter values jump strangely while tweaking parameters

Delay Bank: Oversample checkbox text is truncated when FL is scaled

Harmor: right-click on switch changes value of control

Mute 2: noise when muting and mixer slot level is not at 100%

Patcher: PromptEdit_Ex function not implemented

Wrapper: memory leak when some VST3 plugins can't be loaded

Wrapper: Waves plugins that were moved from old to new Waveshell can't be found

ZGE Visualizer: crash with "Polar" and "Peak band controller"

12.5.1 RC1 (11/09/2017)

Changes

"Auto name effects" option is now off by default

Hold shift while dropping an item onto a playlist track header to avoid or force auto-lock to content

Control Surface: Min and Max properties can now be set using percentages

Control Surface: "Delete" option will delete all selected controls

Formula Controller: uses FL help file for syntax instead of its own custom file

Bugfixes

Crash closing project with Wave Candy and stretched samples

DWP export doesn't work well with Chinese characters

Invalid data error when the demo project "nucleon - Fruity Delay 3" is opened

Picker panel items only show markers after a certain item height

Plugin windows can be tiny when loading project a second time

Control Surface: some fonts are scaled twice when opening saved settings

DirectWave: "Browse for folder" window focuses Windows Explorer when closed

DirectWave: zone grid isn't updated when deleting all zones from the list

DirectWave: "Rate" controls on LFO 1 and LFO 2 tabs are misaligned

Fruity Filter: resonance parameter hint is incorrect

Harmor: clicking on note transitions (64bit)

HTML Notebook: crash loading a website that shows a message

Patcher: can't find Fruity Chorus in SeamlessR - Antecoder demo song

Wrapper: VST3 plugin parameters keep changing automatically after they're tweaked

12.5.1 Beta 1 (02/09/2017)

Changes

Added "Dropping to track header locks to content" option to the playlist

Browser recognizes plugin presets for more IL plugins

Converted to native FL plugins with 64bit version: 7 Band EQ, Bass Boost, Center, Chorus, Compressor, Delay, Fast LP, Filter, Flanger, Free Filter, Mute 2, Phaser, Phase Inverter

Default to shared data folder when exporting a channel to a DW program file

Playlist clips can now have a solid color

Playlist will show indication of drop location and length when dragging clips to it

Samples can be added from the browser to the playlist with ctrl + middle click and ctrl + enter

Settings for project export to audio file and for pattern render are now saved separately

Dance: sprite sheet now has a higher resolution

DirectWave: default to shared data folder when saving a program or bank

DirectWave: added refresh button to browser

FPC: popup menu when you right-click on a pad

Formula Controller: added Atan2, Inter and InterNoSwap functions

ZGE Visualizer: option to set custom FPS for video export

Bugfixes

Access violation when the plugin picker is opened

Browser shows files in root of tree aligned to the right instead of left

Browser shows unnamed items at the bottom

Channel settings toolbar can't be opened after replacing a plugin with a sampler channel

Detect tempo in channel settings window detects wrong tempo when Trim knob is used

DWP export: incorrect hints on some controls

DWP export: invalid input values for loop start

First playlist track can be grouped with above

Notes are not recorded when recording stops while the notes are held

No warning when saving a project to a file without specifying the extension and the file (with the default file extension) already exists

Picker panel: crash selecting pattern with shift+click

Picker panel: selecting and deselecting patterns or clips doesn't always work

Picker panel: bug in clone function

Playlist tool shortcuts with Alt and Ctrl modifiers don't work reliably

Playlist track name becomes garbage text after dropping a file with a unicode filename

Plugin and project picker close too slowly when "Keep it sober" is selected for animations

Plugin Manager window can't be closed after a scan when the plugin info tab is selected

Projects are added to the recently used file list when rendering from the command line

Touch Keyboard window resizes erratically when docked

Touch keyboard glitches visually when switching between keyboard and pads

"Unlock all from content" macro collapses the first 33 tracks in the playlist

DirectWave: freezes when loading certain .NKL libraries

DirectWave: Alt+F doesn't work in sample editor

DirectWave: delay labels are incorrect

DirectWave: resizing and moving multiple selected zones doesn't work

DirectWave: incorrect filename when saving a program

DirectWave: copy and paste of numbers in the zone editor doesn't work

DirectWave: can't choose bit depth for samples created when saving a program

DirectWave: shows "missing sample" prompt when loading a zipped loop file

Directwave: 'Browse For Folder' window focuses Windows Explorer when closed

DirectWave: list index out of bounds error when clicking the zone list when there are no zones

HTML Notebook: improved storing filenames and URLs

FPC: note names in piano roll are not updated when changed in plugin

FPC: no samples created on SFZ export

Harmor: state of the "Smooth mod" control is not remembered correctly

Harmor: missing inverted lowcut faders for delay and reverb

Harmor: right-click on "Pitch articulator amount" changes the value instead of showing a popup menu

Newtone: Play button has incorrect image after Stop is clicked

Patcher: zeroing buffers takes too much cpu

Patcher: parameter connection animations no longer work

Patcher: multiple entries for FL plugins shown in "add plugin" menus

Sytrus: F3 doesn't show channel settings menu when the MAIN tab is selected

Transistor Bass: doesn't respond to notes with colors other than the first one

Wrapper: performance issues with VST3 plugins when automating parameters

Wrapper: Scratch Track plugin has fixed size buffers on by default

ZGE Visualizer: default file extension is not added to filename when no extension is present

Changes

Master FX option is disabled when split mixer tracks is on
New "Auto name effect slots" option, separate from "Auto name channels"

Bugfixes

Abort of render can crash when restoring enabled mixer tracks
Access violation when rendering to a file that's in use by another application
Can't dock single row panels on both lines next to a double row panel on the bottom dock area
Command line rendering doesn't work
Deletion of pattern doesn't update channel rack properly
Pattern groups aren't loaded
Picker panel not always updated when adding a clip

DirectWave: crash copying zone properties to all zones
DirectWave: Library menu has each item in a submenu
Patcher: can't load new Fruity Balance from old settings

12.5 Release Candidate 3 (28/07/2017)

Changes

New option to remove background image from playlist

DirectWave: changed file dialogs to support favorites

Bugfixes

Clicking on piano roll timeline turns on recording precount
Half height option for touch keyboard doesn't work when no pads are selected
Infinite loop when rendering a pattern
Last note in piano roll is not selected by select all
Latency value can have two decimal places
Picker panel selection leaves out last item in list
Plugin picker focus rectangle is not drawn correctly in 64bit
Projects load slower than they used to
Quick rendered pattern names are not unique (duplicates are possible)

Delay 3: signal is stopped when clicking on the timeline
DirectWave: no warning message for Flush and Flush All commands
DirectWave: loading sample from sample editor doesn't work
DirectWave: error pasting sample into sample editor
DirectWave: "Library" popup menu is not organized
DirectWave: folders with unicode names are not visible in the library grid and popup menu
FL VSTi: settings are not loaded
Harmor: no lines visible in envelope images
Love Philter: freeze previewing patterns in picker panel
Plugin Manager: all plugins are marked as new on a fast scan
Plugin Manager: fast scan after verified scan creates duplicate entries
Wrapper: "Reset plugin when FL Studio resets" option is not saved

12.5 Release Candidate 2 (20/07/2017)

Changes

Diagnostics is now resizable
Touch keyboard now has its own entries in the "Receive notes from" list for channels

DirectWave: the default path for FLM export is now the "My instruments" folder in the FLM plugin folder

Bugfixes

Crash rearranging patterns in the picker panel
Dragging the mouse out of the pattern picker doesn't always stop preview
F1 doesn't open help file when touch keyboard is focused

Multiple channels are deleted when only one is selected
New plugins are not marked as new after a fast scan

DirectWave: no overwrite prompt when saving programs and banks
DirectWave: control automation is incorrect when changing programs
DirectWave: multi-bank output is saved to the wrong channel
DirectWave: channel VU meters don't always work
DirectWave: Save As doesn't always open a dialog window
FPC: initial paths of "open" dialog windows are not always correct
FPC: color and icon changes are not always updated immediately
FPC: export to FLM now writes a (monolithic) .dwp file
FPC: crash loading some presets
Parametric EQ 2 moves bands incorrectly when touch input is used
Patcher: MIDI events from plugins can get lost (notes are not played or continue playing indefinitely)

12.5 Release Candidate 1 (13/07/2017)

Changes

DWP export: the Normalize option is now on by default
FL Studio Mobile projects are now loaded into the FL Studio Mobile plugin
ZGE Visualizer: four new effects from StevenM (Grid, ImageSphereWarp, Luminosity and ScanLines)
Ctrl+L now assigns a channel to an unused mixer track, when the channel rack is focused

DirectWave: it's now possible to save monolithic .dwp files
DirectWave: "Export for FL Studio Mobile" option saves monolithic .dwp file
DirectWave: loading a monolithic .dwp file now also sets the monolithic option
Control Surface: new "Label" control type
ZGE Visualizer: new effect from StevenM: Edge Detect

Bugfixes

Abort project doesn't work when project is loaded from the browser or dropped on FL
Automatically created audio clips have audio that's out of sync
Dragging a .dwp file to the channel rack creates a channel called "DirectWaveTrack"
Dropping plugin preset on effect slot with same plugin loaded doesn't reset slot name
DWP export: root note not saved in exported samples
DWP export: octaves after the last zone are labelled incorrectly on the preview keyboard
DWP export: zones for the last key range are sometimes empty
Files in FL search paths take precedence over files in zipped loop
Focusing a channel creates a pitch knob range undo event
Free mixer track assignment doesn't work for some detached plugin windows
Initialized controller values are not loaded correctly for projects with old Fruity Balance plugins
"Unlock all playlist tracks from content" macro doesn't set size of grouped tracks
No undo when dropping a pattern from the picker panel on the playlist
Preview notes do not cut themselves
Scroll in picker panel is too fast while previewing items
Sort by name on pattern picker panel results in strangely named patterns in the browser
Stretching audio in the playlist changes the clip unexpectedly when the time stretch multiplier is used
Toolbar is too wide at low screen resolution
Touch keyboard doesn't center on root note when key width changes

Control Surface: button and checkbox controls don't show up as internal controllers
Control Surface: labels disappear behind controls and other z-order issues
Control Surface: button and checkbox caption font height is not scaled correctly
Control Surface: reset via middle click doesn't work when minimum and maximum values have changed
Control Surface: bevel doesn't remember name
Control Surface: strange colors using the Rounded Gradient Rectangle preset
Dashboard: some controls exported to text are scaled incorrectly
DirectWave: missing indicator for played key and velocity
DirectWave: invalid loop end after import of soundfont
DirectWave: edit control remembers the range of the previously edited item
DirectWave: trigger type label not updated when a trigger group is selected

DirectWave: LFO wave forms are broken
DirectWave: zone name colour in zone list is incorrect if there is only one zone
DirectWave: no longer imports soundfont files
DirectWave: edit box doesn't hide when zone list is scrolled
DirectWave: no zone preview rectangle in some situations
DirectWave: UI not updated when sample is dropped
FPC: pads in bank B don't light up in dual bank view
FPC: can't drop samples on pads for bank B in dual bank view
Fruity Balance: automation and control links from old version aren't converted correctly
Fruity Delay 3: crash on knob automation
Fruity Multiband Compressor: crackles and volume bumps with multiple instances inside Patcher
Fruity Reeverb 2: ringing with some settings
Fruity Slicer: crash on load (64bit)
MIDI Out: incorrect channel when using "Map note color to MIDI channel"
Patcher: crash when replacing Patcher with another Patcher
Patcher: crash loading Patcher preset into existing Patcher while holding the shift key
Plugin Manager: "Verify" option is always on when the program is opened from FL
Plugin Manager: scan doesn't update file date and time for plugins found in earlier scans
Plugin Manager: some plugins are named incorrectly after a scan
Plugin Manager: scanning FL plugins is slow
Transistor Bass: freeze when loading from the Installed section of the plugin database
Transistor Bass: doesn't respond to channel volume when changing preset

12.5 public beta 3 (28/06/2017)

Featured changes

New: Fruity Delay 3 plugin

Updated: Fruity Balance is now a native FL plugin instead of a VST

Changes

Disabled all formats other than .wav for quick pattern render

New macros: "Lock all playlist tracks to content" and "Unlock all playlist tracks from content"

New option to copy color from one color button to another for name dialogs that create color gradients

Render window has new options to enable or disable effects while rendering

Split children option on layer channels can now be reset easily

The mixer's default view is now "Wide"

Control Creator: drag control preset to Control Surface

Control Surface: checkbox and panel controls

Control Surface: horizontal mode for sliders

Control Surface: option to set minimum and maximum values for controls

Control Surface: option to set font height

Edison: markers are now added at the play position

Harmor: small changes to the plugin UI

Bugfixes

Automation clips in picker panel don't update automatically when the user makes changes

Clicks in recorded audio

Ctrl+A doesn't follow the PL snap setting

Coloring and renaming pattern clips doesn't updated unselected clips in picker panel

"Current" mixer track doesn't stay docked to the middle dock site

Deleting the last pattern scrolls to the middle of the picker pattern list

Effect slot name changes when a generator preset is loaded into a mixer track

Empty pattern and channel groups aren't removed automatically

Erratic behaviour moving selected audio clips in picker panel

Error when right-clicking a picker panel item while the channel rack was detached and hidden

Exception when moving multiple audio clips in the picker panel

Items in picker panel can't be previewed by holding shift and moving the mouse over them one by one

Mini PL preview time indicator flickers

Mixer effects are not re-enabled after DWP export

Mouse wheel doesn't always work on picker panel when that is under the mouse cursor

Pattern render uses automation values from last song position
Pattern render cuts off early when the "Leave remainder" option is on
Picker panel items are kept in view when moving them
Pressing F2 after selecting an audio clip renames a random pattern
Scaling and other graphical issues in picker panel
Some keyboard shortcut alternatives (with typing keyboard on) don't work in the PL and PR (e.g. shift+B)
Smart find doesn't work in the "Current" tab of the browser
Time indicator in mini PR view is sometimes off
Various sorting issues in picker panel

Control Creator: control presets are saved with incorrectly scaled values
Control Surface: toggling editing mode re-orders controls
Control Surface: error message when setting a button's font color
Control Surface: the + button appears twice after it's been used once
DirectWave: editing samples can cause clicks during playback
DirectWave: envelope faders don't have a rail color
DirectWave: switch program option has incorrect value range
Harmor: strange behaviour of knobs in ADV tab when they're clicked
Maximus: scaling problems with some text
Newtone: crash when saving a sample
Patcher: error loading ZGE Visualizer preset
Patcher: under some circumstances, threaded modules are not processed

12.5 public beta 2 (30/05/2017)

Changes

"Add speech" option in add channel menu
New demo project: Synth_dfr - Overcome - Sytrus
Touch keyboard scrolling direction reversed to make it more natural when used by touch
Changes to auto-generated export filenames

DirectWave: improved unicode filename support
DirectWave: renamed "Total recall" to "Monolithic mode"
DirectWave: monolithic mode is now per instance
FL Studio Mobile: updated to version 3.1.52

Bugfixes

Access violation using shift + mouse wheel on patterns in picker panel
Add generator button replaces instead of adding + other strange behaviour replacing channels
Broken settings panel on touch keyboard if they're opened while the keyboard is still scrolling
Can't select icon when renaming an audio clip from the picker panel
Crash clicking on mini plugin list in mixer
Dragging pattern and clip up or down the picker panel doesn't scroll when necessary
Export to DWP options are inverted (for example: bypass effects)
Export to DWP has clicks in audio
Export to DWP exports only part of the audio in monolithic mode
Export to DWP leads to inconsistency between sample filenames and velocity layer limits
Fixes to deleting a pattern
Leave remainder cuts earlier than it should
Loading a mixer track preset in the Current track sets options that are not available on that track
Loop recording with precount cuts previously recorded notes
Mixer track effects panel can not be disabled on pattern render
No shared data folder in browser after fresh install
Pattern rename dialog has no title and no effect in some circumstances
Pattern title changes color when zooming in picker panel
Picker panel doesn't update after changing channel or pattern color
Picker panel becomes wider after changing width and scrolling
Potential color conflicts in picker panel
Rearranging patterns in picker panel does not always show the drop position
Render pattern as audio clip creates empty clip
Sample preview stops when playback loops

Save dialog doesn't use typed file extension properly
Scrolling issues in picker panel
Selecting a group in the channel rack doesn't select it on the audio / auto clip tabs of the picker panel
Slow response in touch keyboard pads
Text in project picker popups can be difficult to see
Typing keyboard to piano and other keys don't work when touch keyboard is focused
Wrong data used when selecting a channel
Zoom of picker panel is not remembered between instances

Beepmap: bitmap isn't scaled
Control Creator: DPI scaling issues
Control Surface: control resizing is erratic
DirectWave: global zone editing initially has no effect even though it seems active
DirectWave: no popup for ADSR sliders
DirectWave: some options do the wrong thing
DirectWave: alignment of some popup menus
DirectWave: start region
DirectWave: zones "slide" down when clicked on (with multiple velocity layers)
DirectWave: program volume knob has incorrect initial value
Edison: playback stops when adding a marker
FPC: custom color is not reset when changing presets
FPC: middle-click on pad should open rename/color/icon window
Harmor: Prism mode doesn't work
Patcher: noise on right channel after pattern render

12.5 public beta 1 (18/05/2017)

Featured changes

New: clip "picker panel" in playlist
New: "touch keyboard" window
New: export a channel to a DirectWave preset (right-click the channel button)
FPC: new look
Patcher: threaded processing of modules
Vectorized UI: DirectWave and Harmor

Other additions and changes

Added "Hide plugin window toolbar by default" option to General settings
Added simple color option for the FL background
Added hi-hat icon
Changed NewStuff to Tevlo - Release Me (Feat. VEELA)
Improvements to aborting loading a project
Improved project loading time
Mixer: compact plugin list on by default
Mixer: right-click on (empty) compact plugin list to add plugin
Mixer: playback tracking is now set to "Mixer" by default
Mouse wheel now works on the channel selector in the event editor window
Ogg-encoded wave files are now loaded without the Vorbis acm codec
Option to close all plugin windows in View menu
Piano roll: mini overview in horizontal scrollbar
Piano roll: Highlight root key according to scale
Piano roll: new "Dark" keyboard view mode
Piano roll: ctrl + mouse wheel on channel selector selects empty ones as well
Playlist: automation clip node popups now have "Type value" entry
Playlist: mini overview in horizontal scrollbar
Preset selector on plugin windows now shows preset name
Toolbars are now locked by default
"Transparent windows" option to enable or disable transparency for inactive windows
Vibrator plugin removed from installer (available from the Knowledgebase on the website)

Control Creator: improved look, functionality and integration
Control Surface: options to align controls

Edison: show selection length
FL Studio VSTi: editor window is now scaled
FPC: per pad automatable pitch wheel
FPC: pads are color coded to indicate if they're empty or not
FPC: pads can have custom color and icon
Love Filter: added option to ignore note input
MIDI Out: new "Note" controller type to automate sending note on and off
Patcher: added More... option in plugin insertion menus
Patcher: select other node to connect to when inserting plugin to node
Patcher: load DW when dwp file is dropped
Patcher: middle-click plugin title bar to rename
Patcher: middle-click connection filter checkboxes to disable the two others
Patcher: options to align modules
Patcher: "tree display" option in Control Surface tab preset menu
Plugin Manager: it's now possible to change the type of a verified plugin
Plugin Manager: removed "verify shell plugins" option
Plugin Manager: Waves plugins are always combined (VST3 + VST2) when verified
Sytrus: popup menu for Send selector
Wrapper: option to not reset plugin when FL asks plugin to reset

Bugfixes

Access violation when switching a pattern while recording audio
Close and open popups in browser, playlist headers and clips with single right-click
Crash using Windows shell menu option
Default value for the maximum undo level is 20 instead of 100
Main menu bar submenu obscures main menu itself
New project doesn't reset PL position and selected clip
Plugin Database tab is selected when the Auto snapshot is active and the channel rack is focused
Using up and down keys doesn't work well when the plugin picker is filtered
Start from current position when Wait for Input is on
Timers not released
Typing unicode characters doesn't work in some cases

Big Clock: doesn't follow time when using Start marker
Channel rack: steps showing after render of mixer tracks, when PR view is on
Control Creator: visual glitches
Control Creator: freeze when setting cap style to LEDRing
Control Surface: resize controls from the top left instead of the middle
DirectWave: access violation loading a program created from a Soundfont file
DirectWave: can't type into layer velocity controls in some circumstances
FPC: "Save entire kit as pad presets" window doesn't show destination folders
FPC: can't open sample in editor
MIDI Out: note color leads to incorrect channel
MIDI Out: wrong parameter name
Mixer: moving multiple selected sliders down and back up loses the relative values
Newtone: kernel error in Windows XP
Patcher: new plugin windows appear in unsuitable locations
Patcher: can't add plugins to nested Patcher instance
Patcher: crash when deactivating all parameter outputs on the FL input
Patcher: improvements to dropping plugins on connections
Patcher: .fst preset files not shown in preset selector
Patcher: selecting modules with shift and control keys doesn't work
Patcher: wrapped plugin window size doesn't change when opening options editor
Patcher: plugin window title bar icons in wrong order
Patcher: removed voice input from "From FL Studio" module in effect version
Patcher: plugin windows show up on wrong screen
Patcher: last tweaked parameter set on controller change
Patcher: failure to load plugins while loading a project
Plugin Manager: various improvements to plugin detection
Razer Chroma: problems detecting new devices
Slicex, Sytrus: discrepancies showing and hiding the piano keyboard
Sytrus: OSC tab UI issue after resizing

Transient Processor: audible artifacts when mix level is below 100%
Vocoder: envelope follower gets stuck

12.4.2 build 33
(03/04/2017)

Bugfixes

Blank export when "Wait for input" is enabled
Crash loading Pitch Shifter plugin
Crash rendering mixer tracks
Demo plugins not deleted when loading song
Template doesn't load when .fst file is loaded from command line
Beepmap: distortion when "Grainy" option is on (64bit)
FL Keys: doesn't load preset
Fruity Bass Boost: doesn't initialize properly
Wrapper: automation links are lost when bridging a plugin

12.4.2 build 32
(14/03/2017)

Additions and Changes

Tempo Tapper mute option is now off by default

Bugfixes

Audio clip erased on playback after when rendered from mixer track
Auto name channels off still changes channel name when selecting presets
Auto name effects off causes effect slots to get no name when loading a song
Incorrect hints for interpolation menu entries in render window
Memory use increases when rendering mixer tracks
Recorded audio clip plays after it should end
Tempo Tapper has wrong help file page

12.4.2 RC2
(01/03/2017)

Additions and changes

Added Control Creator to FL Tools menu and Control Surface popup menu

Bugfixes

Channel color doesn't change after selection
Garbage text in MIDI output list
Incorrect plugin thumbnails
Incorrect behaviour in function to detect silence
Control Surface: have to click multiple times to reopen popup
FL Mobile: updated to latest version
FL VSTi: access violation on exit in Ableton Live
Ogun: invalid window handle error loading preset

12.4.2 RC1
(24/02/2017)

Additions and changes

Can now use Ctrl+C to copy text from FL warning and error messages
Saving and loading projects is now buffered (potentially faster)
Show progress while saving project
Tree view option for favorite plugin menus
Patcher: added plugin favorites menu back
Razer Chroma: support for Ormata Chroma
ZGE Visualizer: new effect (scenes\RhodiumLiquidCarbon)

Bugfixes

Audio tail cutoff during playback loop
'Auto create clip' causes empty audio clip channel when disabled
Data corruption initializing mixer track map
Deleting channel above playing channel messes up performance playback
Effect slot mute/solo button position is wrong
Error creating .ZIP file because of unicode characters in sample filename
Error recording multiple mixer inserts into the PL with a Channel Rack filter selected
Failure to load VST plugins
Freeze adding step while playing

Graphical problem dragging files with Fruity Dance loaded
Help file crashes program
Hyphen at start of pattern name causes it to appear as a separator in menus
Incorrect filename if .ZIP is selected when saving a project
Loop recorded clip added to start of loop when triggered at different position
Maximize to all monitors doesn't use all monitors
Menus flicker when showing submenus
Merge similar patterns doesn't work in 64bit
Mixer menu popup position works better
News downloader prevents FL to start
Note triggered from computer keyboard keeps playing when root note is changed
Open and save dialogs updated in various places
Playback tool doesn't stop clip when starting another one
Plugin chosen in Plugin picker replaces Patcher channel
Progress meter flickers during .ZIP file operations
QuickFontCache prevents FL to start
Recorded audio is placed randomly in PL
Riff Machine accept button is cut off
Sample preview doesn't work
Sampletank 2 plugin requires admin mode
Slip tool creates gaps between clips
Tempo undo creates additional undo item
Toolbar menus popup below toolbar even when toolbar is at bottom
Uninstalling FL ReWire doesn't work
Voice count increases when looping
Autogun: keyboard only responds partly when scaled
Beepmap: crash loading a wide image and scrolling it
Control Creator: crash setting smooth knob style to zero
Dashboard: crash changing presets
Dashboard: scaling improvements
DirectWave: crash opening .SF2 file
FPC: error when clicking on unused pads after .DWP import
Fruity Bass Boost: doesn't load in 32bit
Fruity Limiter: ceiling value crash
Fruity X-Y-Z Controller: memory leak
Harmor: memory leak
Newtone: stuck warp mode icons
Patcher: stuck notes
Plugin Manager: Waves plugins lose individual names after rescan
Spectroman: uses incorrect font file
Sytrus: doesn't update some knobs when loading presets
Sytrus: X-Y knobs snap at center values
Vocodex: 'Freeze Envelope' can't be automated
Wrapper: Melodyne VST3 doesn't resize
Wrapper: sends key commands to plugin when editor is closed
Wrapper: VST3 program change problems
ZGE Visualizer: can't open .GIF files
ZGE Visualizer: progress window disappears when exporting video
ZGE Visualizer: problem with FrameBlur effect

12.4.1
(15/12/2016)

Additions and changes

Transistor Bass: warning message when selecting "Clear"

Bugfixes

Crash clicking on channel rack filter combo
DirectWave: crash after sampling VST (64bit)
FPC: crash importing DW program (64bit)
Patcher: crash when deleted
Patcher: note off messages not always sent to plugins

12.4.1 RC1
(08/12/2016)

Additions and changes

FPC can save and load pad presets again
Keyboard focus button on title bar for Slicex, Convolver and VST plugins
"Reset plugins on transport" is now off by default
New "Focus selected channel on playback" in channel rack
Transistor Bass: click and drag to draw notes/accents/slides/...
Transistor Bass: rotate notes with shift + ctrl + arrows
Wave Traveller is now thread safe
Wrapper keyboard focus is now on by default
ZGE Visualizer: added audio rate selector in export options

Bugfixes

Access violation recording multiple mixer inserts to PL
Active voices increase while playing loop
AIFF file with reverse byte order fails to load
Automation recording in PL doesn't record when area is selected
Auto unarm doesn't work when rendering mixer tracks
Channel rack scrolls up when play button is pushed
Clip continues playback after releasing playback tool
Freeze on startup when samplerate is reset by the audio device
Maschine Jam: 8th column incorrectly stops clip
Menu and picker fadeout leaves visible box in Windows 7
Menus show up on wrong screen
Merge pattern clips isn't undoable
Overlapping audio clip plays twice
Rendering mixer tracks doesn't put them in project folder
Rendering mixer tracks uses incorrect filenames
Username not shown in FL title bar
Bass Boost: doesn't load in 32bit
Beepmap: only outputs on right channel
Beepmap: sound is different than in old versions
Dashboard: spin controls aren't scaled properly
Dashboard: spin control move speed is reset on import from text file
DirectWave: loop points for ogg encoded waves aren't read
Formula Controller: used variables are greyed out
Gross Beat: missing knobs in Create Sequence tool window
Gross Beat: step buttons in "Create sequence" tool don't draw all states correctly
Newtone: variation control is inverted
Parametric EQ 2: band selection is wrong
Parametric EQ 2: maximize button missing
Patcher: crash replacing Patcher with preset from plugin inside that Patcher instance
Patcher: no preset selector for Dashboard
Patcher: crash cycling through plugin presets
Patcher: double-click on Control Surface module doesn't open its editor tab
Patcher: notes from MIDI Out cut in DirectWave
Plugin Manager: doesn't save state of "Verify" checkbox
Razer Chroma: causes audio breakups in 32bit
Slicex: no undo popup menu on deck B
Slicex: access violation in 64bit using "Layer selections in both decks"
Sytrus: operator volume knob is not bipolar
Sytrus: won't always retrieve output buffer
Transient Processor: output muted after adjusting parameters
Transistor Bass: pan control is inverted
Wave Candy: visual glitch in meter mode
Wave Candy: OSD window doesn't scale properly
Wave Traveller: helper lines aren't shown
Wrapper: Melodo crashes when bridged
Wrapper: further fix for hidden VST3 plugins to respond to automation
Wrapper: Tls Pocket Limiter crashes when bridged
Wrapper: Fabfilter plugins have wrong size window when scaled
Wrapper: freeze with bridged SynthEdit-made plugin during keyboard input
Wrapper: negative mixer track offset outputs to track 103

Wrapper: Waves IDR360 VST3 crashes during processing
ZGE Visualizer: error using Peak Effects > Polar on empty layer
ZGE Visualizer: video export problems

12.4
(04/11/2016)

Additions and changes

Added FL Studio Mobile plugin
Rotate left/right in channel rack no longer opens the piano roll
Newtone: added buttons for pitch and warp modes
Razer Chrome: support for Naga Chroma mouse
Visualizer: now supports h264 video export (mp4) and FLAC audio
Visualizer: two new effects in new "Internal controllers" effect category
Visualizer: custom layer names are now used for parameter names
Visualizer: drag/drop to rearrange layers
Visualizer: support "side by side full" and "side by side half stereoscopic" modes

Bugfixes

Crash when a plugin stretches samples
Plugin window positions are incorrect when loading project at different PPI
Stretch mode causes sample to be played at root pitch
FPC: doesn't remember full size when editor is collapsed
Newtone: crash when a sample is dragged to the plugin (x64)
Newtone: sample doesn't load
Panomatic: dB hint inaccuracy
Patcher: fixed crash when module window is open and Patcher window isn't
Transistor Bass: sequence changes when clicking above the area
Visualizer: using 10k lines as html doesn't reload correctly
Visualizer: internal controller knob settings are not persisted
Wrapper: fixed sending VST3 automation to UI when editor is hidden

12.3.1 (boxed)
(21/10/2016)

Additions and changes

Don't snap recorded audio when snap is set to "Line"
Removed "while you're rendering" panel from render window

Bugfixes

No channel created after recording when "Auto create audio clips" is off
New channel has step sequencer view instead of mini PR view after recording
Taskbar remains hidden when FL is full screen and then minimized
Harmless: hz/osc selectors have no effect
Panomatic: dB hint inaccurate
Plugin Manager: "always on top" causes problems during plugin scan
Sytrus: alignment of FM tab and matrix is off
Wrapper: fixed some crashes when changing fixed size buffers settings

12.3.1 RC 3
(11/10/2016)

Additions and changes

Maschine JAM support: added undo/redo, step seq mode and swing jogwheel mode

Bugfixes

Crash when browser is moved to the left of the workspace
Crash when Plugin Picker is opened immediately after loading a project
Mixer track not selected when changing channel destination with "Type in value"
DrumSynth Live: scaling issues
Wrapper: freeze changing latency in Meldaproduction plugins

12.3.1 RC 2
(07/10/2016)

Additions and changes

Native Instruments Maschine JAM controller support
New command line options to bulk render audio and convert .fsc to MIDI
Patcher: 37 new presets by Youlean
Transistor Bass: popup menus for bank and pattern selectors

Wrapper: added button to refresh inputs and outputs after a change in the plugin
Wrapper: threaded processing is now on by default
ZGE Visualizer now publishes internal controllers
ZGE Visualizer can now use various FL windows as textures (experimental!)
ZGE Visualizer: 4 new presets

Bugfixes

Continuous scrolling breaks performance mode
Event playback bug when relocating song position
No undo on automation clip paste
No undo for "Type in value"
Realtime stretch time mul not applied when time is zero
Recording to playlist adds step sequencer channel even in PR mode
Right-click on "Save as" button doesn't default to .wav file extension
Song position can go off screen when zoomed into PR with continuous scrolling
Control Creator: most demo knobs are invisible
Edison / Convolver / Slicex: can drag empty sample to playlist
EQUO: glitch with hidden settings
Beepmap: crash when moving other windows over Beepmap window
DrumSynth Live: audio sent to incorrect tracks
DrumSynth Live: notes aren't cut properly
FPC: UI is a mess at 125% scaling
Maximus and Fruity Limiter: initial latency isn't reported
Parametric EQ2: crash when resizing
Patcher: crash when saving
Patcher: stack overflow error minimizing and restoring DirectWave window
Sytrus: middle-mouse zoom on OSC scrollbar doesn't work well
Sytrus: hot zone to edit harmonic is wrong
Transistor Bass: auto-follow doesn't work
Transistor Bass: "Type in value" is broken
Transistor Bass: crash loading some demo projects
Transistor Bass: note names don't update when loading a preset
Vocodex: visual artifacts in env editor when scaled
Vocodex: error closing plugin
Wave Candy: crash with extreme audio data
Wrapper: Waves plugins crash on close
ZGE Visualizer: wallpaper doesn't show when plugin is hidden on project load
ZGE Visualizer: critical error when changing presets

12.3.1 RC 1 (23/09/2016)

Additions and changes

Right-click on render toolbar button to render to MP3 instead of WAV
Fruity Slicer: removed "Open in BeatSlicer" option
Default bit rate for MP3 and OGG export set to 192Kbps
Newtone: option to include regions when saving a sample in pitch correction mode

Bugfixes

Audio clips aren't updated when the channel's sample changes
Automation clips play section after loop point
Chinese characters not shown correctly
Crash creating a new pattern after audio recording
Freeze adding step during playback
Markers from WavPack files aren't loaded
MIDI notes can't go past loop recording's end point
Mixer window moves in front of plugins after Plugin Picker but doesn't have focus
Missing text and glyphs in FL and plugins because of incorrect font
New plugin channel name set to "Sampler" when "Auto name channels" is off
REX files sometimes don't load
Slowness dragging preset from Plugin Picker
Strange behaviour for detached windows on multi monitor setups with different DPI
Unicode characters in track name cause error creating the recorded wave file
Various issues related to "Host priority for keystrokes" Wrapper option

Control Surface: knob presets don't have pause marker when they should
Convolver, Edison & Slicex: use friendlier filename for untitled samples
Convolver, Edison & Slicex: empty samples can be dragged to playlist
DirectWave: crash loading .instr file
Fruity Send: adjusting and resetting "Send to" causes louder audio
Fruity Slicer: "Open in Edison" option doesn't work
Slicex: right-click on save as button doesn't use .wav file extension
Wrapper: incorrect display for sliders in interfaceless plugins (64bit)
Wrapper: Serum crashes when loaded
ZGE Visualizer: crash when changing presets

12.3.1 beta 2
(16/09/2016)

Additions and changes

Added .instr as recognized file extension in the sample browser
There's now a warning when loading a project with an invalid audio output selected
Changes to contrasting text colors in channel rack, mixer and playlist
List view mode in piano roll is now less confusing
Renamed "saved arrangement" to "custom"
Custom layout is now remembered even when selecting other layout
Added new recording quantize options (right-click the Record button)
Improved overall audio loop recording performance

Bugfixes

Crash making plugin thumbnail
Detached windows resize incorrectly on differently scaled screen
Escape key doesn't close VST window when "host priority" wrapper option is on
Freeze when adding step during high cpu load
Loop recording:
 Audio dropouts when looping back to start point during audio loop recording
 Audio recording sometimes being shifted from the loop's start point
 Audio recording sometimes not taking correctly latency into account
 Automations being shifted in the pattern in some cases
 Downbeat not being played at the next loop right after recording
 MIDI notes sometimes being quantized to a very short length
 MIDI notes being cut off when changing channel rack selection while recording
 Missed downbeat during midi loop recording
 Precount not ignoring notes in some cases
 Recorded midi notes sometimes being shifted in the pattern
No sound when insertion of playlist track has failed
Piano roll zoom changes when hiding and showing the window
Boobass: crash playing notes (64bit)
Convolver: undo button has popup menu on left click instead of right click
Drum Synth Live: crash playing notes (64bit)
Gross Beat: per-tab reset button in Create Sequence tool resets all tabs
Love Philter: doesn't remember size of hidden part of UI
Parametric EQ2: band types and orders change too quickly
Patcher: VFX plugins crash when playing notes (64bit)
Slicex: missing hints for some knobs
Wrapper: text shown behind small plugin editors

12.3.1 beta 1
(09/09/2016)

Additions and changes:

Added Transistor Bass plugin
Vectorized UI: FPC, Harmless, Ogun, Parametric EQ 2, SimSynth, Slicex, Vocodex
Custom mapping formulas for controller links
Browser: restored option to open samples in Fruity Slicer
New "Alternative mixer highlighting" option to work with very bright or dark colors
Dashboard can now be resized from the window border
"Optimize for" now always defaults to multi-button mouse on install
Plugin Manager: window can now be set to remain on top of other windows
Improved support for command-line rendering
Improvements to loop recording

Bugfixes:

64bit related crashes in:

- Boobass
- DirectWave
- FL Slayer
- Fruity Scratcher
- Patcher
- Soundgoodizer
- VFX Key Mapper
- VFX Keyboard Splitter
- Wave Traveller

+ label in color menu isn't scaled

"Arrange windows into workspace" problem with certain monitor layouts

"Auto select linked modules" doesn't work on playlist audio clips

Black rectangle when selecting item from menu

Channel names inconstant when Auto name channels is off

Channel rack doesn't resize properly when FL is started

Corrupted audio when rendering

Crash closing MIDI devices (64bit)

Crash using "Open shell menu" in browser (64bit)

Drop Patcher on channel without holding shift doesn't replace the existing plugin

Empty filename can be added to sample history in channel settings

File save dialog doesn't add default file extension when necessary

Generic links for mixer track controls only work when plugin in first slot is focused

Hyphen at start of automation clip name makes it unselectable

Incremental scrolling doesn't work with small scrollbars

Incorrect alignment of mute/solo buttons in mixer plugin slots

"Invalid midi out handle" error (64bit)

Multiple selected mixer tracks can only be renamed and colored once

Noise when loop recording

Ogg Vorbis codec crashes (64bit)

Peaks in mixer's Current track are not aligned properly in Extra Wide mode

"Remove sample" in channel settings doesn't work

Selecting a different channel while recording will mute voices

"Type in value" doesn't work for interfaceless VST plugins

Wavpack files don't load (64bit)

BooBass: high cpu usage when multithreaded

Control Surface: color picker is transparent

Dashboard: scaling problems

Dashboard: font name garbage when exporting to text

Dashboard: font size saved with more precision

EQUO: responds to clicks below graph area

Fruity Slicer: stretch options are not correct

Fruity Vibrator: crash on close (64bit)

Gross Beat: scratch wheel doesn't hide in some cases

Maximus: missing compression indicator switch

Patcher: window closes when selected from Plugin Picker

Patcher: doesn't show message when hybrid plugin is loaded

Plugin Manager: some shell plugins detected as effect instead of generator

Plugin Manager: plugin list scrolls too fast

Plugin Manager: some VST3 plugins fail to scan

Plugin Manager: doesn't show vendor name for FL plugins

Plugin Manager: doesn't show plugin list

Plugin Manager: deletes directory junction when favorite is deselected

Plugin Manager: shows effect and generator favorite of plugins with same name

Plugin Picker: fades out when "don't distract me" is selected

Plugin Picker: black window when fading out and desktop composition is disabled

Razer Chroma: doesn't work when window is hidden or minimized

Sytrus: doesn't save the state of the preview keyboard

Sytrus: OSC harmonics hidden when zooming

Sytrus: OSC harmonic editor extends below the scroll bar

Sytrus: missing Inactive feedback when operator is in Pluck mode
Wrapper: VST3 plugins don't load
Wrapper: BreakTweaker crashes when loading project
Wrapper: drop preset for VST plugin on that plugin doesn't change its settings
Wrapper: FL doesn't receive key strokes when plugin UI is focused
Wrapper: can't replace one Waves plugins with another
ZGE Visualizer: doesn't load in Patcher

12.3
(02/08/2016)

Additions and changes:

Convolver now has a vector GUI
Razer Chroma: support for Naga Epic Chroma, Diamondback Chroma
Razer Chroma: updated metronome effect for Orb Weaver
New NewStuff demo: nucleon - Transient Processor
New demo project: Ephixa - Club Penguin
Four new demo projects for ZGE Visualizer
Three new Wiselabs Patcher presets, others updated
Transient Processor: no more nag silence in demo mode
Video Player: new "Delay playback by" option
ZGE Visualizer: updated MIDI effects
"Save acidized" render option is now disabled by default
New option to disable menu transparency
New menu item to load previously saved window arrangement while FL is running

Bugfixes:

Access violation when normalizing large audio files
Alt+B doesn't toggle scale highlighting on and off
Black notes not highlighted correctly
Crash dragging MIDI from Kontakt 5 to FL
Dragging (none) preset from picker to channel or mixer creates new preset
Dragging (none) preset from picker to channel doesn't rename it
Full screen mode not remembered when restarting FL
Incremental scrolling doesn't always work
Missing plugin dialog not shown
Mute audio clip doesn't take effect immediately during playback
Recorded loop doesn't show up when loop recording
Right-click on bottom panel of piano roll doesn't work
Underruns and high cpu usage when opening popup menus and plugin picker
Wrong channel name when "auto name channels" is disabled
Dashboard: font import from old projects is wrong
EQUO: font size wrong when scaled
HTML Notebook: doesn't find html file saved in project
Love Philter: orange ring around led controls
Maximus: font size wrong when scaled
Maximus: crash moving mouse over editor window
Plugin Manager: FL VST path is added to search path list for every installed FL
Razer Chroma: various fixes
Sytrus: crash on load because of invalid settings
Transient Processor: various fixes
Wrapper: bar start position reported to plugins is not updated every bar
Wrapper: Nave VST3 crashes when user changes waveform
Wrapper: Sforzando opens as 32bit plugin in FL 64bit
ZGE Visualizer: various fixes

12.3 beta 5
(28/06/2016)

Additions and changes:

Parametric EQ 2: added key selection for nodes
New option to disengage the record button when recording stops
Removed automatic "envelope" and "LFO" text on clips
Improvements to "Align all channel editors" option
IL Remote feedback is now always on
New option to move all windows to visible positions

Transient Processor: no more silence in demo mode

Bugfixes:

Auto-unarm displays unarmed tracks as still armed
Can't favorite some VST3 plugins
Channel rack: automatic resizing problems
Error selecting multiple samples in open dialog
Import of old tempo automation isn't always correct
Loop recording doesn't mute recorded clips
Love Philter steals note messages for devices locked to channels
Multi-threaded processing off after FL installation
Piano roll: slide and poly disappear sometimes
Piano roll: automatic key style changes are saved over user chosen one
Play truncated notes not active until disabled and re-enabled
Recorded loop doesn't show up in some cases
State of mute and sync checkboxes in tempo tapper isn't remembered
Time hint always shown when scroll lock is on
Delay Bank: orange ring around checkboxes
FPC: ghost image on GUI
Granulizer: custom channel name lost on song reload
Maximus: crash with multiple instances
Patcher: controls don't respond to controller input when tweaked with mouse
Razer Chroma: various bugs
Sytrus: info text for Gasmotron preset has X and Y reversed
Sytrus: wrong labels on chorus panel
Transient Processor, EQUO, Maximus: font scaling issues
Wrapper: fix for lost connection in plugin bridge is not always on
Wrapper: crashes when parameters in bridged plugins are automated

12.3 beta 4
(31/05/2016)

Additions and changes:

ZGE Visualizer version 2.0
New Transient Processor plugin
Changed name of "None" scale highlight mode to "Default"
Remember the "custom" size of channel rack buttons when selecting a preset size
Fruity Limiter: don't animate knobs when switching tabs and animations are off
FL ReWire: application window is now scaled
Razer Chroma: 4 new color presets
Razer Chroma: support for latest Blade laptop
New and updated presets for VGX Key Mapper, Convolver and Patcher
New Razer Chroma demo project

Bugfixes:

Alt+B doesn't toggle scale highlighting on and off
Assign free mixer track skips first insert
Auto name option doesn't do anything when using plugin window preset buttons
Crash dragging plugin preset from Patcher to its own channel or effect slot
Clicking on lower part of "Current" track's dB meter doesn't select the track
Channel rack gradient coloring doesn't work in 64bit
Channel rack too high with maximum height resizing on
Event data lost when swapping effect slots
FL window's "normal" size is too big initially on scaled displays
Gross Beat window doesn't maximize when double-clicking its caption
Mixer track color wrong after use of "assign channel to empty mixer track"
Piano roll and event editor don't load state of "incremental scrolling" option
Piano roll visible but not usable after events have been turned into automation clip
"Play truncated notes" option is active when it's off
Toggling effect windows switches inserts when mixer is detached
Edison: doesn't use correct file type when omitting file extension
Control Creator: freeze when using extreme cog size for knobs
Razer Chroma: fixes for Stealth laptop support
Stereo Enhance: wrong hint on separation knob

Wasp XT: velocity filter and velocity amp controls are switched
Wrapper: Waldorf Nave plugin crashes on load
Wrapper: can't load VST plugins from some old presets
Wrapper: disconnected message when disabling bridge
X-Y Controller: joystick support is disabled

12.3 beta 3
(12/05/2016)

Additions and changes:

Razer Chroma plugin
The names of existing channels aren't changed when dropping presets on them and the "Auto name" option is off
"Type in value" for tempo and mixer track selectors now accepts actual values
Fruity Limiter: comp/limiter selector is now two tabs instead
Renamed mono brush to "Paint"
Renamed poly brush to "Paint in drum sequencer mode"
Reverted "Paint" brush functionality to FL10's (FL11's behavior with shift modifier)
Don't close event editor when effect slot changes
Added size to fit option to channel rack button size menu
In the piano roll, the shortcut keys G, H, J and K will now go to the previous or next channel. H and J go to a used channel, G and K also go to unused ones.
Use "safe" color picker for channel gradient colors
Scale highlights is now set to "black notes" by default
Play truncated notes on transport is now on by default

Bugfixes:

Access violation when mouse hovers over the color picker window
Access violation when moving the mouse over the playlist and piano roll
All solo lights on MCU light up on start
Changing from solo to alt solo in the mixer doesn't work
Channel rack becomes sluggish when adding lots of channels
Ctrl, Shift and Alt buttons on the toolbar can get stuck
Master volume slider misaligned
Most recently used colors not added to color picker when it's opened directly
Rescan MIDI devices can stop playback in some cases
Show scale highlights option in PR doesn't have any effect
Size of some plugin windows increases when maximized and then normalized
Typing keyboard layout "FPC (C4)" is not correct
Unknown omni events in some templates
Velocity label in PR event editor scrolls when it should stay in place
Wrong pitch with RT stretch macro
Big Clock: integer pointer cast (potential crash)
Big Clock: preset arrows shouldn't be present
Edison: changed unique name generated when dragging an unnamed sample
Edison: "failed saving" error message in some cases
IL Remote: mixer mute states not updating
IL Remote: XY feedback not working
VFX Keyboard Splitter: wrong data read from default preset
Wrapper: effect plugins open as synths in some cases
Wrapper: fails to locate plugins in some cases
Wrapper: IQ-EQ plugin doesn't make sound until input is disabled and enabled again

12.3 beta 2
(26/04/2016)

Additions and changes:

Channels are shown more prominently in the Add menu
Incremental scrolling in playlist, piano roll and event editor
Added macro to set all audio clips to RT stretching mode
Playlist: ctrl+left click toggles solo
Playlist: place recorded audio clips in first (visible) empty track
Added shortcut to unsolo and unmute all tracks (ctrl + key above tab)
Added "midi channel through" option
Improvements to IL Remote feedback (also enabled by default)
Added option to control remembering previous state when using solo

Solo mode is auto-detected again

Bugfixes:

Automation clip name error
"Auto unarm" option in mixer resets when recording to playlist starts
Can't drag tools from bottom toolbar
Crash clicking around in SH-1 - Perseverance song (64bit)
Cut in channel rack cuts selection in playlist
Browser resizes on minimize / restore
"Make unique as sample" doesn't remember stretch mode
Piano roll view style is messed up when switching between channels
Plugin added from Add > Channel goes to mixer instead of Channel Rack
Polyphony bug with realtime stretching
Problem moving FL window after changing main screen in Windows
Problem resizing playlist track height
Problem with time setting with RT stretched samples and "make unique as sample"
Remember sort column for plugin list in Plugin Manager and More plugins window
Routing control in channel rack not updated when recording audio clip to playlist
Some maximized plugins don't keep minimized window position
Target control in event editor window is missing
Toggling effect windows with detached mixer switches mixer inserts
Various fixes to channel rack sorting
Various fixes to new open and save dialogs
Control Surface: shows incomplete control names when loading settings
Control Surface: not repainted properly on load
dB Meter: window buttons are in wrong order after maximize
DirectWave: name of some mod matrix entries doesn't match parameters
DirectWave: show specific message when loading VST plugins with wrong bit size
Edison: detect pitch regions crash in 64bit
FL Keys: typo in label
FPC: time slider mouse handling isn't scaled along with UI
Gross Beat: scaling and resizing issues
Patcher: parameters for plugins aren't updated when Patcher window is closed
Patcher: preset loads with wrong window size at 200% scaling
Patcher: flickering when resizing with Control Surface tab visible
Plugin Manager: plugin list isn't visible
Sytrus: resize moves text field over other panels
Vocodex: spin controls have ugly black borders when scaled
Wrapper: crash on preset change
Wrapper: indicates it wants midi input even when the input port is not set
Wrapper: plugin bridge loses connection to plugin in various situations

12.3 beta 1
(25/03/2016)

Additions and changes:

Real-time audio stretching
Lock channels to midi device (for note input)
Options for keyboard style in piano roll
Continuous scrolling in event editors
Plugin Manager and "More plugins" window GUI updated
Vector GUI for Sytrus, Fruity Limiter, Fruity Love Philter, Gross Beat, Maximus
Added Transient Processor plugin
Per-note event selector moved to editor at bottom of piano roll
Open and save dialogs are now more modern
Added "Project tempo" option to time wheel popup
Drag FL window from empty area of toolbar
IL Remote controller feedback
Channel rack: mute button shift+click changed to alt+click
Channel rack: resizeable channel buttons
Channel rack: option to sort channels
Mixer: re-arranged some controls for "current" track in wide modes
Rearranged Add menu contents
Wrapper: Presonus extensions for VST2 (high-dpi support, param context menus)

Wrapper: IK Multimedia plugins no longer default to using fixed size buffers

Bugfixes:

Access violation in browser when using left/right keys on plugin parameters
Black outline on pan wheel after loading NewStuff
Can't load mixer track presets with unicode characters in the name
Change color for multiple tracks changes icon if the first selected track has one
Change icon only works for initially selected mixer track
Channel rack resizes when using pattern selector
Channel rack won't copy and paste when detached
Clips don't trigger after vertical scroll in performance mode
Disappearing preset selectors on captionized windows
"Don't distract me" disables scrolling in mixer
FLAC export disk space is reported as 0KB
FLAC export freezes for 24bit files in 64bit
FLAC files don't have "open in editor" options in browser
Invalid event id error
Help file doesn't open to title page
Last node of automation clip is ignored when manually setting playlist position
Make unique as sample doesn't work in all cases
Maschine Mikro MK2 jog wheel doesn't work properly
Multiple "demo" messages to click away when autosave is active and FL is demo
No animation for internal controller selector control in "Link to controller" window
Ogg metadata doesn't export correctly
Overlapping clips cause playback issues
Override generic links crash
Override generic links doesn't work in mixer
Pattern selection reverts on its own
Pattern selector > Open in browser doesn't show patterns
Plugin slot color doesn't update when loading a plugin preset
Pressing ctrl+e in the mixer doesn't work
Replacing plugin keeps maximized state of previous plugin
Some FL 11 projects don't load correctly
Step sequencer resizes when tweaking "small scrollbars" option
Stuck note when opening popup menu
Undo insert playlist track also undoes the action before that
Wrong pattern painted in playlist
Wrong activity led color after changing a channel's color
Control Surface: control labels are wrong when loading a preset
Control Surface: "show buttons" state not saved in presets
Dashboard: access violation editing page names
DirectWave: memory leak loading some soundfont banks
EQUO: resizing one instance affects all instances
FPC: output selector doesn't go up to 103
Fruity Fast Dist: graphical distortion
Fruity HTML Notebook: can't locate image file
Fruity Soft Limiter: graphical distortion
Fruity Squeeze: pre/post switches not working
Fruity Squeeze: filter position disconnected
Fruity Vibrator: doesn't follow legacy scaling option
Newtone: snap setting not loaded correctly
Patcher: plugin editor not closed by pressing escape key
Patcher: processing mode isn't forwarded to plugins
Patcher: hanging notes sending midi to plugins
Slicex: higher up slices aren't dumped to piano roll
Soundfont Player: output selector doesn't allow negative offsets
Sytrus: export differences in 64bit
Wrapper: access violation changing presets for legacy plugins in 64bit
Wrapper: bridged plugin can't send midi to FL
Wrapper: escape key doesn't close some VST3 plugins
Wrapper: EZ Drummer and EZ Keys don't play along with FL when recording
Wrapper: FabFilter plugins crash

Wrapper: GUI distortion when minimizing some plugins
Wrapper: FL responds to key events after plugin has used them
Wrapper: legacy plugins sometimes show "loading" while going through presets
Wrapper: mixer track name sometimes doesn't change when switching plugins
Wrapper: potential freeze showing a message from a plugin
Wrapper: real plugin name is not saved
Wrapper: settings panel not shown correctly after captionizing plugin
Wrapper: Slate VMR doesn't repaint properly in 64bit
Wrapper: Auto-Tune EFX VST3 outputs mono sound

12.2 (15/12/2015)

Additions and changes:

Vectorized UI for DrumSynth Live and X-Y Controller
Type to piano scripts updated
Fruity Delay Bank: right-click to solo a bank (instead of popup menu)

Bugfixes:

Crash when changing input
Reverted to ogg codec to load ogg-encoded wave files
Ogg file export crashes
Preset selectors disappear when plugin window is captionized
Freeze changing mixer track assignment
DirectWave: ogg encoded wave files have clicks
Edison: keyboard shortcuts don't work
FPC: incorrect pad name in "Change name" window
Fruity dB Meter: meter scale is wrong when plugin is resized
Fruity DrumSynth Live: scales with legacy scaling option

12.1.6 (26/11/2015) (FL 12.2 beta 1)

Additions and changes:

FLAC file export
Ogg files are now loaded without the vorbis acm codec
Added direct menu items to change color and icon of channels, patterns and plugins
Implemented Presonus "high-dpi" notification support for VST 2 and 3 plugins
Renamed "Flat display" option in plugin menu to "Simple list"
Manage Plugins menu item moved from Tools to Options menu
Replaced "Jap" in score preset names with "Japanese"
Added 3 Harmor template presets
Vectorized UI for multiple plugins

Bugfixes:

Fine tempo not loading
Arrows of track selectors aren't scaled
Right-click outside render window cancels rendering
Sampler paste values do not apply
Color correction only applied to first track when multiple tracks are selected
Stuck note when selecting active channel
Automation clip affects song when it's not active
Typing keyboard notes sometimes hang
Code execution vulnerabilities when loading certain .flp files
Crashes exporting to mp3 in 64bit
Create sequence from env editor doesn't reset properly after a few times
Can't open project from Windows in FL while another project is loaded in FL
Associate FL 64bit with .flp files
Mixer track presets include docked state
Unicode issues when exporting to project bones
Unicode issue with recent project menu
Unicode issue loading mp3 files
Unicode issue with progress when loading samples
Unicode issue when arming a track for recording
File settings access violation when adding a folder
Crash when rendering to .wav file

Empty browser snapshot
Error when exporting project data files and project bones
Issue when FL is on screen with different scaling than main screen
Audio Clips stretch without Stretch selected
3xOsc: different sound in 32bit and 64bit
DirectWave: crash with "auto normalize samples"
Edison: Javascript script error
Edison: crash in "FindInDll" script in 64bit
Edison: crash when acquiring noise profile in 64bit
Edison: crash closing FL while Edison is recording
Patcher: hung notes with VST plugins
Patcher: Harmor cuts audio
Patcher: freeze triggering notes on VFX plugins
Slicex: tune loop crash
Slicex: recoloring channel changes piano roll view mode
Vocoder: noise when project is loaded
WaveShaper: no controls inside Patcher when scaled
Wrapper: load correct version for more plugins with different names of 32bit & 64bit
Wrapper: default "notify about rendering mode" to on for VST 3 plugins
Wrapper: Slate VMR doesn't paint entire UI in 64bit
Wrapper: send automation and param changes to VST 3 editors when UI is hidden

12.1.3 (25/08/2015)

Bugfixes:

Fixed deleting existing steps when using the 'add steps' feature
Newtone: fixed critical error loading project settings
Plugin Manager: fixed some plugins failing when verified
Plugin Manager: fixed naming of Waveshell presets

12.1.2 (12/08/2015)

Additions and changes:

New and improved Video Player plugin
Update main window caption when project title is edited
Launchpad MK2 support
Shortcut for stretch on/off in playlist is now Shift+M instead of Shift+S

Bugfixes:

Fixed cursor for slip tool - when not over a clip - from "brush" to "pen"
Ignore search paths that have been disabled in Plugin Manager
Cloned channels no longer cut themselves (if the original channel didn't either)
Fixed loading generator from "more plugins" window after fast scan
Fixed updating mixer track selectors when moving tracks
3xOsc: fixed sound of analogue saw shape (64bit)
Control Surface: fixed scaling of controls
Newtone: fixed crash getting date from file
Sytrus: fix for crash with LP2 filter
Sytrus: fixed waveshaper sound (64bit)
Video Player: fixed playback when FL counts down before playing

12.1.1 (31/07/2015) (public beta)

Additions and changes:

Notes over 120 (10th octave) now do various actions in live mode
Removed Steinway Grand instrument
Added new instruments: Close Grand and Stage Grand
Renamed "flat database" to "alphabetical"
Added FL executables that are scaled by Windows

Bugfixes:

Rename window empty for FX plugins
Effect names too long in extra wide view in mixer
Zipped channels cut off when resizing in mini PR view
Added track name and/or plugin name to automation clip names

Don't allow adding a track if there's anything on track 199 of the playlist
Fixed resizing of step sequencer when hiding/showing mixer track selectors
Fixed default filter in sample open dialogs
Dashboard: removed mixer track selector in channel rack
Delay Bank: Param reset on load
Edison: doesn't save sample filename as unicode
Fruity Send: fixed threading issue
Fruity Slicer: crash when trying to use elastique
Keyboard Splitter: velocity not correct for VST plugins
Keyboard Splitter: removed popup from manual mapping button
Newtone: abstract error when resizing editor
Patcher: "midi in" plugins now receive untranslated midi data as sent by other plugin
Patcher: pitch applied twice to VST plugins
Patcher: pitch difference when played through Flowstone
Patcher: can't drop channel preset
Vocodex: crash when selecting "Machine 2" synthesizer preset
Wave Traveller: crash changing preset from preview keyboard (x64)
Wrapper: sometimes shows editor with size of options window

12.1.0 (16/07/2015)
(public beta)

Additions and changes:

FLAC import support
VFX Key Splitter plugin
Fruity X-Y-Z Controller plugin
Added "More plugins" window back
Launchpad Pro support
4 high quality FPC drum kits
Steinway piano preset for DW
Show random (fairly recent) news item
Periodically show different news item
Changed various defaults
Update reminder window
Mixer track assignments for channels in the channel rack
Full colorization of mixer tracks (and other visual enhancements)
Option to delete steps instead of muting them
Re-implemented sample history in channel settings window
Ctrl+S saves project even when mixer has focus
Now uses modern version of open and save windows
Plugin Scanner is now called "Plugin Manager"
Plugin Manager: new plugin info tab

Bugfixes:

Format panel in render window is open by default
Fixed disappearing ADD > Effect menu
Improved unicode filename support
Fixed dropping automation clips on playlist
Updated ogg/vorbis libraries to latest versions
Re-implemented popup menu for LFO editor for events
Fixed failure to unlock FL from about window
Fixed crash editing automation (64bit)
Fixed freeze when song reaches end of playlist (64bit)
Changed some label colors in mixer
Override generic links now works in mixer again
Fixed export crash (64bit)
Fix for hint bar not showing up when scaling is above 100%
Fix for browser not focusing dropped item but parent folder instead
Fix for automation presets not being droppable to the playlist
"Delete file" menu entry won't appear anymore on "(none)" presets
BooBass: fixed crackles
Convolver, Dance, Harmor, Slicex: fixed truncated filenames when saving
Edison: new preset, default recording time = 30 minutes
Edison, Slicex: support loading and saving samples with unicode names

Edison, Slicex, Convolver: fixed spectrum display bug
FPC: better unicode string support (filenames mostly)
FPC: import of DW programs tried to read unicode strings instead of ansi
Patcher: no voice kill when FL jumps position
Patcher: fixed sending midi cc to plugins on port that's not zero
Wrapper: interfaceless param update doesn't update visuals
Wrapper: fixed random interfaceless param value reset when changing them
Wrapper: fixed "TODO 3" message
Patcher: fixed crash dragging plugin "save preset as" to Patcher's channel button
Patcher: fixed crash loading Patcher state

12.0.2 (12/05/2015)

Additions:

Wrapper: new option to determine what bit size to load for a plugin
FL Studio ASIO: added "clip" option

Bugfixes:

Fixed crash in about window
Fixed generic links behaviour for effect plugins
Fixed loading 64bit plugins in FL 64bit
Fixed jpg support in FL 64bit
Fixed MRU color system in rename window
Fixed Fruity Slicer preset in plugin database
Fixed key value on export of score pdf
Fixed event recording bug
Fixed "item menu button" bug in 64bit
Plugin Scanner: various bugfixes
Control Surface: button saves/loads wrong state
Convolver, Slicex: fixed popup menu bug
Dashboard: fixed crash when exporting as text
DirectWave: fixed import of 3rd party sound banks
Download Manager: doesn't remove "downloaded" (link) folders anymore
Edison, Slicex, Convolver: fixed noise profile doesn't work right in 64bit
Harmor: fixed GUI glitch
Newtone: fixed sample properties window
Parametric EQ2: bugfix
Patcher: fixed bug loading newtone
Patcher: fixed missing preset arrows
Scratcher: fixed crash on right click
Sytrus: fixed X/Y control over other controls
Sytrus: fixed black rectangle bug
Wrapper: fixed problem loading wrapper options
Wrapper: fixed crash loading MrRay73 plugin in FL 64bit
Wrapper: fixed reset of parameters of interfaceless plugins
Wrapper: fixed behaviour of parameters for Fruity Compressor (FL 64bit)

12.0.1 (21/04/2015)

Additions:

Plugin scanner combines presets for separate versions of a plugin
FL Studio ASIO driver

Bugfixes:

Fixed freeze exporting NewStuff song
Fixed crash on processors with 3DNow! support
DrumSynth Live: fixed distortion with multiple instances
Patcher: fixed hidden latency labels
Plugin scanner: various fixes
Wrapper: fixed crash with two Fruity Balance instances (64bit)
Wrapper: fixed freeze with bridged FabFilter Pro-Q
Wrapper: fixed crash closing detached bridged window

12.0.0 (12/03/2015)

Additions:

New impulse samples by SoundIron
Updated Elastique stretching engine
UI updates for some plugins
Control Surface: touch support
Control Surface: controls are freely sizeable
Plugins are found by ID as well as by filename
Plugin scanner: can now use custom VST search paths
Plugin scanner: drag plugin from list to FL to open it
Plugin scanner: add or remove favorite plugin in FL
Plugin scanner: shows previously scanned plugin on startup

Bugfixes:

Crash on load in Windows XP
Generic links issues
Bug exporting split tracks
Various 64bit bugs
Control Surface: behaviour of button control
DrumSynth Live: sound glitch when root key is changed
DW: crash loading song in 64bit
Edison: crash in limiter script (64bit)
FL ReWire: several crashes
FPC: import from DW is faulty
FPC: access violation using "Save kit as presets"
FPC: doesn't load LudwigCS kit
Fruity Love Philter: freeze
Fruity LSD: playing notes from wrong midi port
Fruity Scratcher: freeze when mouse button is down and space is pressed
Patcher: Control Surface editor disappears
Patcher: knob won't move after renaming it
Patcher: knob disappears
Patcher: bugs in plugin window
Patcher: record automation for plugin leads to wrong values
Patcher: midi not sent correctly
Patcher: doesn't collect files from all plugins
Patcher: plugin exported from Flowstone freezes
Patcher: freeze when window is closed
Patcher: implemented key and mouse wheel support in plugin window
Patcher: update of automated parameter in Fruity Send
Patcher: output names for VFX Color Mapper
Speech synth: various fixes
Soundfont Player: freeze on close
Wrapper: plugin editors open in separate window
Wrapper: no sound with fixed size buffers
Wrapper: VST3 plugins update wrong parameters
Wrapper: crash opening placeholder window for bridged plugins
Wrapper: crash selecting presets in various NI plugins
Wrapper: preset change in Fruity Compressor doesn't update controls (64bit)
Wrapper: GrooveAgent 4 VST3 crashes
Wrapper: "send mod x as poly aftertouch" is now off by default

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