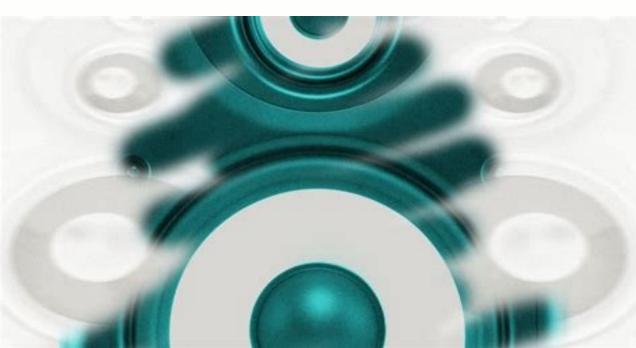
Mono audio widget

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Latest release 2022-09-03 - A Late-Summer'22 Release. qtractor-0.9.28.tar.gz Complete overhaul of the current host time(base)/BBT information delivered to plug-in types that matter: VST, VST3, CLAP and LV2. Improved key-signature editing and display on Tempo Map / Markers (time-scale) management dialog. Fixed plugin selection, when creating and wice-versa. Fixed typos and updated some old MIDI GM2 Controller names. Add current system user-name to the singleton/unique application instance identifier (when explicitly opted in at build configure time). Previous release 2022-07-07 - An Early-Summer'22 Release, qtractor-0.9.27.tar.gz CLAP plug-in UI Touch feature/interface. Auto-unlink MIDI clips when pasted/placed with Ctrl+click/Enter. Fixed LV2 plug-ins UI X11 (native) initial size. Fixed implicit deactivation when a plugin is removed from chain. Fixed audio clip export, normalize and tempo-adjust when audio file number of channels is disparately greater than respective track's output bus count. Fixed one killer lurking in MIDI Controller... modeless dialog instantiation. Fixed non-effective automation curve node editing. Track/Export Tracks... dialog ranges are not capped to current session-end anymore. Fixed MIDI clip editor vertical-zooming when using the [Ctrl+] mouse-wheel. Set auto-backward play-head location also when clicking on main track-view header/time-ruler and on thumb-view. Fixed LV2 plug-in buffer-size initialization, esp. affecting the ZynReverb LV2 playback. Export Tracks dialog last range selection is now remembered. Fixed the out-of-process plugin scanner path resolution on some self-container (ized) formats eg. AppImage and possibly Flatpak. Older releases 2022-04-09 - A Spring 22 Release. qtractor-0.9.26.tar.gz Main application icon is now presented in scalable format (SVG). Have even more tolerance to JACK buffer-size changes, prompting for a complete session reload, only when exceeding the double of the previous/current size. Added an additional status-bar label to show the session current buffer-size (in frames per period). Migrated command line parsing to QCommandLineParser/Option (Qt >= 5.2) Make last recorded clip current and suitable target for immediate loop recording takes switch or navigation. Number of takes is now shown on clip titles and tooltips. Fixed in-flight transport mode changes. Fixed translations path to be relative to application runtime. 2022-01-09 - A Winter'22 Release. gtractor-0.9.25.tar.gz Hopefully fixed an old MIDI off-timing bug noticeable only when exporting (Track/Export Tracks/Audio...) on large buffer-sizes (>= 2K frames/period). Clip/File Loop Set menu command is now a toggle. Fixed problem with punch-in/out and loop-recording being lost when stopping the play-head right after and between the loopstart and punch-in points, even though at least one cycle or take is through. Dropped autotools (autoconf, automake, etc.) build system. A more verbose warning question is issued, on whether to continue saving to an existing zip/archive directory and accept to replace and erase all its current data in the future. Fixed potential crash on session close or application exit, when some plugins have been removed. 2021-10-16 - An Autumn'21 Release. qtractor-0.9.24.tar.gz A new option has been added to reset/resend all MIDI track/channel and buses controllers on playback start (cf. View/Options.../MIDI/ Playback/Reset all controllers on playback start). Whenever possible, avoid suggesting Save As... to an extracted archive/zip directory. Fixed an old nasty mistake when renaming session names and then saving into an archive/zip bundle file (.gtz). Fixed Mixer multi-row automatic layout consistency, when adding new or removing existing tracks or buses. 2021-07-10 - An Early-Summer'21 Release, gtractor-0.9.23.tar.gz Dropped the 'Activate' option on the plug-in Selection dialog, now being as always on by default. Have some tolerance for JACK buffer-size changes, only prompting to a complete session reload, if increasing in double the initial period size. Introducing plug-in blacklisting, on user discretion (in View /Options.../Plugins/Blacklist) and on inventory scan (crashed plug-ins are now automatically blacklisted). Added special support for LV2 UI GTK2 plugins based on Gtkmm 2.4 framework. All builds default to Qt6 (Qt >= 6.1) where available. CMake is now the official build system. 2021-05-14 - A Spring'21 Release. qtractor-0.9.22.tar.gz Fixed one terribly old and overlooked mistake that was preventing MIDI tracks volume and panning automation to take effect on audio export. All packaging builds switching to CMake. 2021-03-18 - An End-of-Winter'21 Release. gtractor-0.9.21.tar.gz Ignore snap while ALT key is pressed, on the main track-view and the MIDI clip editors (aka. piano-roll). Fixed a FTBFS when native LV2 UI GTK2 support is disabled. Fix IPlugView leaks for VST3 plugins. 2021-02-12 - A Winter'21 Release, gtractor-0.9.20.tar.gz Fixed and improved automation curve recording, whenever playback is rolling (and also when isn't:)). Fixed LV2 plug-in UI X11 (native) resize. Make NSM state file names independent to session display names, keeping backward compatibility for old sessions. Exiting, quitting or closing the main window while under NSM, now promptly asks whether to save, discard or cancel as usual. Re-improved Mixer multi-row layout. Fix incorrect destruction order for VST3 modules. 2020-12-20 - A Winter'20 Release, gtractor-0.9.19 tar.gz Session directory autoname option added to the session properties dialog, as convenience. Loading and saving a LV2 plugin's state has been vastly improved. IMPORTANT CAVEAT: From this moment onwards, when loading any newer saved sessions into older versions of the program, all LV2 plugins won't get their state restored correctly. Track colors saturation introduced as yet another eye-candy option (cf. View/Options.../Display/Track color saturation) Fixed VST3 number of channels query/report. Fixed immediate crash when loading untitled or unnamed Instrument Definitions files (*.ins): base file-name is now taken as default instrument definition name or title. Tempo (BPM) entry may now be specified with arbitrary precision, to at most 3 decimal positions in fractional part, while integer whole values are displayed with no decimal point. Added option to keep MIDI clip editor windows (aka, piano-roll) always on top), MIDI clip editor status-bar labels are not stretched to whole text size anymore, most specially for the current file complete path. 2020-10-30 - A Fall'20 Release. qtractor-0.9.18.tar.gz When under NSM, all top-level windows, main, mixer and connections, will always start hidden. Plugin editors (GUIs) that are currently open on a track are now brought up as top-level windows immediately when a track is made current or highlighted (and Track / Auto Monitor is in effect). MIDI clip editor mouse hovering effect extended to whole current note line on main view (piano-roll eye-candy++); also, the white keys on MIDI clip editor's virtual piano keyboard, are now fully highlighted. Plugin search paths (View > Options... > Plugins > Paths) now lists all the default and actual existing paths, instead of a blank list. Undimmed octave divider lines on the piano-roll, Fixed potential crash on changing audio output buses channel count. Note names display (inside note rectangles) are now an option on the MIDI clip editor (aka. piano-roll; menu View > Note Names). 2020-09-15 - An End-of-Summer'20 Release, qtractor-0.9.17.tar.gz Early fixing to build for Qt >= 6.0.0 and the c++17 standard. Fixed custom track icon selection when none is currently set. 2020-08-07 - A Summer'20 Release. qtractor-0.9.16.tar.gz Experimental / High resolution plugin automation (14-bit) options is now also removed from View > Options... > Plugins dialog. Audio Clip / Export... now takes into account custom fixed gain property (shamefully missing for the whole last decade to date). Finally indulged on dummy LV2 plug-in CVPort support, just to avoid certain immediate and sudden crashes when inserting those kind of 'non-functional' plugins accidentally. Bring the Track Export dialog down to Clip Merge/Export as well, for optional file type and format selection. When enabled, do auto-save upon adding or inserting a new plugin. Make sure LV2 plug-in UI GTK2 and X11 native support is selected first by default on top to libsuil. Both out-of-process plugin inventory scan and LV2 Dynamic manifest options have been removed from View > Options... > Plugins dialog. Fixed deprecated stuff on an early preparation for Qt6. 2020-06-27 - An Early-Summer'20 Release. qtractor-0.9.15.tar.gz Fixed MIDI tracks export that were missing the end-of-export tail parameter and bailing out always with default SMF format anyway. Fixed VST3 component/controller inter-connection. LV2 Atom/Port-event host notification support has been retouched, but still unofficial though. Fixed VST3 audio-processor initialization/activation when a plugin has no inputs or outputs present. Let main window pseudo-asynchronous stabilization re. menus, tools and status bars, just faster and immediate. Fixed MIDI track monitor reinstantiation and reset. 2020-05-07 - A Mid-Spring'20 Release. gtractor-0.9.14.tar.gz Export file type, format and quality are now specific

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options on the Track/Export Tracks.../Audio, MIDI dialogs. LV2 plug-in UI GTK2 and X11 in Qt5 host native support in addition and alternative to libsuil. Generic plug-in/Properties... dialog now showing each parameter/properties automation and
MIDI Controller assignment/learn are now a possibility. LV2 Atom/Port-event host notification support has been implemented (unofficial). Fix clean-up of any recording latency compensation. Attempt to force correct audio clip offsets due on recording latency compensation are
not quantized to MIDI metronomic time-scale anymore. LV2 Plug-in MIDNAM support introduced. Use Shift or Ctrl keyboard modifiers with the mouse- wheel to change any Direct Access plug-in parameters (issue #257). 2020-03-28 - A Spring'20 Release. qtractor-0.9.13.tar.gz All meters background color are now customize-able (cf.
View/Options.../Display/Meters, color level "Back"). Automatic mixer grid layout (multi-row) is now in effect permanent standard now. LV2 UI Request-value feature/interface support has been implemented. Audio output monitoring meters are now
shown/hidden auto-magically on MIDI tracks and/or buses--no need for some user preference option anymore (ie. View/ Options.../Plugins/Instruments/Show audio output monitoring meters, is now gone). Default track height has been slightly increased. Track / Duplicate Track... now also takes a MIDI track's audio meters setting into account. VST3
plug-in support introduced. (EXPERIMENTAL) Fixed first bar/measure position drawing on the time-scale/grid across time-signature changes on the MIDI clip editor (aka. piano-roll) (hopefully fixing issue #245). Plugins and meters on track list/left pane, are now being set on as default--maybe going stapled in some near future;) Make man page
compression reproducible (after request by Jelle van der Waa, while on the Vee-Ones, thanks). Avoid resetting top or left position when zooming with mouse pointer is in main tracks or MIDI clip editor (piano-roll) views. Make libaubio a build dependency on Debian/Ubuntu; also fix cross-build check to size of (float). Bumped copyright headers into the
New Year (2020). 2019-12-28 - The Winter'19 Release. qtractor-0.9.12.tar.gz Basic key-signature has been added to tempo, time -signature and location markers map. MIDI Clip editor (aka. piano-roll) horizontal and vertical splitter sizes, widths and heights resp. are now preserved as user preferences and also to session state. Second attempt to fix
the yet non-official though CMake build configuration. 2019-11-09 - The Mauerfall'30 Release. qtractor-0.9.11.tar.gz MIDI Instrument and patch, bank and program names are now correctly updated on their respective track -list (left pane) columns. Avoid copying/replicating dirty MIDI clip files, for yet untitled/scratch sessions. Transport/Backward
commands now honoring edit-tail, loop-end and punch-out points, when playback is not rolling. A session name (sub-)directory is now suggested on every new session properties dialog. Avoid adding any extraneous clip replica when Ctrl +dragging on either of its edges. When using autotools and ./configure --with-qt=..., it is also necessary to adjust
the PKG_CONFIG_PATH environment variable (after a merge request by plcl aka. Pedro López-Cabanillas, while on qmidinet, thanks). Fixing a potential crash-effect in switching MIDI output buses on tracks that are set to show audio output monitoring meters, is on going still. 2019-10-12 - Autumn'19 Beta. qtractor-0.9.10.tar.gz Fixed the potential
crash-effect in switching MIDI output buses on tracks that are set to show audio output monitoring meters. Fixed initial session tempo override when importing a standard MIDI file (as reported on issue #230). An alternate time-signature/meter option is being served to the MIDI output buses on tracks that are set to show audio output monitoring meters. Fixed initial session tempo override when importing a standard MIDI file (as reported on issue #230).
scenarios on a per MIDI clip basis. Fixed MIDI "overdub" recording on offset clips. MIDI bank and program settings now propagating to all MIDI track's clips resp. Fixed MIDI file format default setting other than SMF Format 0. Escape key may now be used to reset time and tempo/time-sgnature spin-box controls. Play-head time and tempo/time
signature controls are now featured in MIDI clip editor toolbars (aka. piano-roll); time display format is also separated from the tracks main application view and defaults to BBT as being most convenient. All items in the MIDI clip editor's event list are now enabled, selectable and editable, no matter the filter settings for the event views. Added
alternate yet non-official CMake build option. Improved MIDI clip editor (aka. piano-roll) position and size persistence across session state. Fix HiDPI display screen effective support (Qt >= 5.6). Mixer, Connections and MIDI clip editor top-level windows shall have no parent, unless when set as always-on-top tool windows. (REGRESSION) Make sure
compiler flags comply to c++11 as standard. 2019-07-24 - Summer'19 Beta. qtractor-0.9.9.tar.gz Fixed editing and display of 'Pgm Change' events on the MIDI clip editor (aka. piano-roll). Introducing tempo/beat-detection support on the MIDI clip editor (aka. piano-roll). Introducing tempo/beat-detection support on the MIDI clip editor (aka. piano-roll).
visual clues ;). Updated for the newer Qt5 development tools (>= 5.13). Imply asking for a brand new filename (ie. Save As...) whenever the session file original sample-rate differs from the current audio device engine (ie. JACK). Configure updated to check for qtchooser availability. Fix MIDI through for LV2 plug-ins that have no MIDI output
event/atom ports. 2019-05-31 - Spring'19 Beta. qtractor-0.9.8.tar.gz Plugin-lists and respective plugins state may now be exported and/or imported as XML files. When in Drum Mode, Key and Scale are meaningless and thus functionally disabled from the MIDI clip editor's View > Ghost Track menu option is now
finally a reality: show any existing MIDI track and its respective clips in the background as dimmed, semi-transparent aka. ghost events. Minor update to Debian packaging control file. Make sure partially selected clips are reset to whole when Shift/Ctrl keyboard modifiers are in effect, to prevent extraneous clip splits or cutaways afterwards. 2019
04-16 - Spring-Break'19 Release, qtractor-0.9.7.tar.gz Re-defined all main application UNIX signal handling. Fixed possible crash in drawing clips while rare loop-recording/takes situations. Main window stabilizing is now kind of asynchronous re. menus, tools and status bars. MIDI Controller's Latch mode attribute on tracks and plugins are now
properly saved/loaded as meant to be. 2019-03-20 - Pre-LAC2019 Release Frenzy gtractor-0.9.6.tar.gz Fixed LV2 UI Touch feature/interface implementation. Plugin latency/delay compensation is now introduced as an option to tracks only (cf. Track/Properties... /Latency compensation). Refactored all singleton/unique application instance setup logic
away from X11/Xcb hackery. A bit lesser of a naive file-name numbering is now in place to avoid as much as possible, the piling up of internal curve/automation files when saving existing sessions. Maybe just informational but the original MIDI file format is now correctly reported across ref-counted linked MIDI clips. 2019-02-14 - Valentines'19 Hotfix
qtractor-0.9.5.tar.gz HiDPI display screen support (Qt >= 5.6; patch by Hubert Figuiere, thanks). Fixed for DSSI plug-ins (eg. fluidsynth-dssi) loss of configuration state: clear internal config/state keys on release virtual method. (REGRESSION) Fixed for NSM (and JACK) sessions not saving the correct file references/symlinks of clips that are recorded
or created during the initial and scratch session. 2019-02-07 - Winter'19 Beta qtractor-0.9.4.tar.gz Drag-moving and copy-pasting existing clips, while over the main track-view, now shows the respective (audio wave-shapes and MIDI piano-rolls) graphical representations, as much as possible. For good and bad, session name changes now trickle down
to respective audio/MIDI file names as well. Audio output monitoring meters may now be shown on MIDI tracks and buses as a default user preference option (View/ Options.../Plugins/Instruments/Show audio output monitoring meters) and also in plugin list context sub-menu (Audio/Meters). Custom color (palette) themes can be exported to and
imported from external files. LV2 plug-in UI GTK2 and X11 in Qt5 host native support are now enabled on configure by default. (REGRESSION) Fixed minimum input value as 10% (was 1%) for audio clip time-stretching in the Clip / Edit... dialog. 2018-12-07 - End of Autumn'18 Beta qtractor-0.9.3.tar.gz Auto-backward now skips the end-of-session
location. Audio clip time-stretching and pitch-shifting limits are now 10-fold in either direction. Custom color (palette) theme editor introduced; color (palette) theme editor (palette) the
Metronome, Player and/or Control option settings. Fix MIDI track (and bus) bank/program reset to none. Anti-glitch micro-fade-in is disabled on audio clips with zero offset. Audio and MIDI file players also stopped on Transport / Panic command. LV2 plug-in UI GTK2 and X11 in Qt5 host native support are now disabled on default configure. Get rid of
symlink duplicates on the default plugin search paths. According to Debian policy and guidelines, the out-of process plugin scanner (qtractor of process plugin scanner (qtractor plugin scanner); also updated to be
the most compliant with latest freedesktop.org specification and recommendation. Fix build for Qt >= 5.11.0 (by David Geiger, thanks); also for some g++>= 8.1.1 warnings and quietness. 2018-05-29 - Pre-LAC2018 Release Frenzy qtractor-0.9.1.tar.gz Displaying MIDI note(on) events as diamonds instead of simple rectangles (aka. Drum Mode) is
now being introduced as an optional MIDI track property (Drums) and as a MIDI clip editor (piano-roll) visual option (cf. View/Drum Mode). Extended multi-selection is now supported on all the Connections client/port lists, allowing for multiple (dis)connections at once. Added LV2 UI sample-rate option support. Always reset all internal dedicated
MIDI controllers, eg. MIDI track volume (CC#10), on Transport/Panic and after rendering export to aud1io (ie. Track/Export Tracks/Audio...) as needed to reset MIDI track/clips editing operations. Fixed MIDI track and clip
note min/max display range while recording and also when duplicating tracks. Added "All files (*.*)" filter to every file requestor dialog, wherever missing. The tiny zoom-magnifier icons have been revamped. 2018-03-22 - Early Spring'18 Beta qtractor-0.9.0.tar.gz New View/Options.../Plugins/Experimental/Show plugins on track list/left pane option is
in effect on tracks that are tall enough in height for their plugins list to fit on the Bus column. Fixed a day-zero bug over the MIDI track and clip note min/max range display
now fixed. MIDI Program Change events (PC) now have their proper program number as parameter, instead of value, on the internal MIDI event representation. Merging MIDI clips while on SMF Format 0 has been fixed: was merging always onto the same MIDI channel (2), most often the wrong one, resulting in an empty or blank clip. When
importing from standard MIDI files (SMF), set track names from Mtrk TRACKNAME meta-events instead of filename. Avoid asking to save as to existing or just newly created clip file-names, whenever possible. Disable singleton/unique application instance setup logic when the display server platform is not X11. Whether to use native file
browser/requester dialogs is now an effective option when launching under NSM session management (was once disabled initially). Content files are now saved as symlinks when saving to JACK and/or NSM session directories/folders. Trying to get CC14 MSB+LSB (course+fine) running status on, no matter whether each pairing event are under
200ms apart. Possible VST plug-in GUI reparenting hack/fix on Qt5/Xcb. 2018-01-30 - Winter'18 Beta qtractor-0.8.6.tar.gz Added LV2 UI updateRate option to deactivate plugins only if they can produce sound cf. main menu Track/Auto Deactivate (by Andreas Müller aka. schnitzeltony, thanks). Workaround native file
dialogs hang up by setting parent widget to NULL; it should be noted that dialogs now get an own entry in the task-bar (also by Andreas Müller aka. schnitzeltony, thanks). Added ARM NEON acceleration support (by Andreas Müller aka. schnitzeltony, thanks).
have been added to MIDI Controllers generic mapping (cf. View/Controllers ...; after an original pull-request by Holger Dehnhardt, thanks). A little hardening on the configure (autoconf) macro side. Pinned current/hi-lighted track dangling after removal. An anti-flooding timer is now in place in MIDI Controller assignment (aka. MIDI learn) dialog. Add
MMC Track input monitor support. New user preference option: View/Options.../General/Options /Reverse keyboard modifiers role (Shift/Ctrl), applied to main transport re-positioning commands: Trasnport/Backward, Forward, etc. VST Time/Transport information is now also updated as on playing when in audio export aka. freewheeling mode.
LXVST PATH environment variable now takes precedence over VST PATH as Linux-native VST plug-ins search path. MIDI controllers mapped to non-toggling shortcuts now work as one-shot triggers, independent of MIDI event value. 2017-12-04 - Autumn'17 Beta qtractor-0.8.5.tar.gz Audio clip gain and panning properties are now taken into
consideration when hash-linking (aka. ref-counting) their back-end buffers. New out-of-process plug-in inventory scan and cache option, replacing the old (aka. dummy) VST plug-in scan option and extending its function to all other plug-in types: LADSPA, DSSI and also LV2 (cache only). A File System browser and tree-view is finally integrated as a
dockable-widget on the main application window (cf. main menu View / Window / File System). Drag-and-dropping of session, audio and MIDI files over the main track-list (left pane) is now possible, allowing for yet another quick means to open a new session or add new tracks to the current session. MIDI input/capture time-stamping has been fixed as
much to avoid missing inbound events, when play-head is near the loop-end point and the loo
brand new View/Options.../Display/Meters/Show meters on track list/left pane option has been added. 2017-09-20 - End of Summer'17 Beta qtractor-0.8.4.tar.gz Assigned MIDI Controllers to plug-in's Activate switch are now finally saved and (re)loaded properly across sessions. Audio clip panning option property is now being introduced. Out-of-
process (aka. dummy) VST plug-in inventory scanning now restarts automatically and resumes processing in case of a premature exit/crash; VST plug-in inventory scan/cache persistency is now in place. Desktop entry specification file is now finally independent from build/configure template chains. Updated target path for freedesktop.org's
AppStream metainfo file (formerly AppData). Changing the View/Options.../Display/Custom/Style theme takes effect immediately unless it's back to "(default)". Slightly slower but better approximation to IEEE 32bit floating point cubic root ie. cbrtf(). 2017-06-30 - The Stickiest Tauon Beta gtractor-0.8.3.tar.gz Make sure any just recorded clip filename
is not reused while over the same track and session. (CRITICAL) LV2 Plug-in worker/schedule interface ring-buffer sizes have been increased to 4KB. Fixed track-name auto-incremental numbering suffix when modifying any other track property. WSOLA vs. (lib)Rubberband time-stretching options are now individualized on a per audio clip basis. Long
overdue, some brand new and fundamental icons revamp. Fixed a tempo-map node add/update/remove rescaling with regard to clip-lengths and automation/curve undo/redo. Fixed a potential Activate automation/curve index clash, or aliasing, for any plug-ins that change upstream their parameter count or index order, on sessions saved with the old
plug-in versions and vice-versa. 2017-05-10 - A Stickier Tauon Beta qtractor-0.8.2.tar.gz Track-name uniqueness is now being enforced, by adding an auto-incremental number suffix whenever necessary. Attempt to raise an internal transient file-name registry to prevent automation/curve files to proliferate across several session load/save (re)cycles.
Track-height resizing now meets immediate visual feedback. A brand new user preference global option is now available. Wiew/Options.../Plugins/Editor/Select plug-in's editor (GUI) if more than one is available. Wiew/Options.../Plugins/Editor/Select plug-in's editor (GUI) if more than one is available.
spin-boxes when changing time offset or length fields in BBT time format that goes across any tempo/time-signature change nodes. French (fr) translation update (by Olivier Humbert, thanks). 2017-02-17 - The Sticky Tauon Beta qtractor-0.8.1.tar.gz The View/Options.../Display/Dialogs/Use native dialogs option is now set initially off by default. All
tempo and time-signature labels are now displayed with one decimal digit, as it was in mostly everywhere else but the time ruler/scale headers. JACK transport tempo and time-signature changes are now accepted, even though playback is not currently rolling; also, changing (JACK) Timebase master setting (cf.View/
Options.../General/Transport/Timebase) will take effect immediately, not needing nor warning for session restart anymore. Track/Navigate/Next and Previous menu commands, finally fixed to wrap around the current track list. Current session (JACK) transport mode option switching is now being made accessible, from the main menu and drop-down
toolbar buttons, as well as user configurable PC-keyboard and/or MIDI controller shortcuts (cf. Transport/Mode/None, Slave, Master, Full). Fixed some auto-backward play-head position flip-flopping, when opening a new session while the previous was still on rolling/playing state, hopefully. Added French man page (by Olivier Humbert, thanks). MIDIs on the previous was still on rolling/playing state, hopefully.
clip changes are now saved unconditionally whenever the editor (piano-roll) is closed or not currently visible. Audio clip peak/waveform files re-generation performance, scalability and resilience have been slightly improved. Some sanitary checks have been slightly improved. Some sanitary checks have been slightly improved. Some sanitary checks have been slightly improved.
or negative-width faulty renderings. Do not reset the Files tree-view widgets anymore, when leaving any drag-and-drop operation (annoyingly, all groups and sub-groups were being closed without appeal). Make builds reproducible byte for byte, by getting rid of the configure build date and time stamps. 2016-11-21 - The Snobbiest Graviton Beta
qtractor-0.8.0.tar.gz MIDI clip tools redo/undo processing refactored as much to avoid replication over multiple hash-linked clips; MIDI clip editor's floating selection, when playback was last started, is now shown on main track-
view, as a momentary dark-red vertical line marker. LV2 plugin-in parameter optimization: stuff consecutive series of plug-in's parameter value changes, as much as possible into one single undo/redo command. LV2_STATE_StateChanged is now recognized as a regular atom notification event and raising the current session dirty flag, as normal
behavior. Adjusting clip selection edges is now possible and honored while on the the main track-view canvas. Audio peak file caching and rendering, as far as audio clip wave-forms are concerned, have been refactored and optimized a couple of notches higher, on the ephemeral and rather marginal throughput front;). Fixed a potential crash on the
singleton/unique application instance setup. Edit/Select Mode tool-buttons moved into single drop-down tool-button on the main track-view extents eg. while zooming in or out. Automation curve node editing auto-smoothing revisited; also fixed input MIDI
RPN/NRPN running status processing, which was crippling some plug-in automation curve nodes, when saved in high-resolution 14-bit mode. Fixed the visual play-head position (vertical red line) while zooming in or out horizontally. Almost complete overhaul on the configure script command line options, wrt. installation directories specification, eg.
prefix, --bindir, --libdir, --libdir, --latadir and --mandir. LV2 Plugin-in worker/schedule fix: make request/response ring-buffer writes in one go, hopefully atomic (suggested patch by Stefan Westerfeld, while on SpectMorph, thanks). 2016-09-21 - A Snobbier Graviton Beta qtractor-0.7.9.tar.gz JACK buffer-size change handling has been deeply improved, now
doing an immediate session restart, while preserving all external connections as much as possible. Introducing an audio and MIDI metronome anticipatory offset, kind of latency compensation, to respective option settings cf. View/Options.../Audio, MIDI/Metronome/Offset (latency). Fixed LADSPA plug-in preset switching, incidentally broken as NOP.
ever since late Haziest Photon's crash-landed. MIDI Track/Instrument cascading menus have been found empty broken on Qt5 builds, now fixed. MIDI RPN/NRPN running status and RPN NULL reset command are now supported (input only). Fixed a sure immediate crash on removing audio buses that are current targets of any active Aux-send
inserts. Fixed yet another old bummer that was reaping off assigned MIDI controllers on existing track's gain/volume or panning controls, when adding any single new track. Fixed missing feedback on MIDI controllers assigned to any of monitor, record, mute and solo track/bus state buttons. Eye-candy warning: the current clip, not necessarily the
one currently selected, is now highlighted with a solid outline; linked MIDI clips are also highlighted with an alternate dashed outline. SFZ file conversion, and bundling of the respective sample files, is now supported when saving as zip/archive (*.qtz). Fixed track monitor, record, mute and solo dangling states, on Track/Duplicate command. Slight
regression on the LV2 State Files abstract/relative file-path mapping, trading QFileInfo::absoluteFilePath(), and thus skipping all symlink dereferences in the process. Fixed a one first linking/ref-counting glitch, affecting recently recorded MIDI clips which might have their initial clip length still un-quantized to MIDI
resolution (BBT). A brand new and discrete MIDI clip editor command tool has been added: MIDI Tools/Transpose/Reverse. Discretely fixed MIDI Controllers catch-up algorithm. Fixed a borderline mistake on plug-in parameter port index mapping to its corresponding symbolic name, especially if newer plug-in versions are loaded on older saved
sessions. 2016-06-23 - The Snobby Graviton Beta qtractor-0.7.8.tar.gz MIDI file track names are given. MIDI file tempo-map and location markers import/export is sessions. 2016-06-23 - The Snobby Graviton Beta qtractor-0.7.8.tar.gz MIDI file tempo-map and location markers import/export is sessions.
now hopefully corrected, after almost a decade in mistake, regarding MIDI resolution conversion, when different than current session's setting (TPQN, ticks-per-guarter-note aka. ticks-per-guarter-no
(freewheeling) audio tracks that have at least one plugin activate state automation enabled for playback (as much for not showing messages like "QObject::connect: Cannot queue arguments of type 'QVector'"... anymore). The common buses management dialog (View/Buses...) sees the superfluous Refresh button finally removed, while two new button
commands take its place: (move) Up and Down. LV2 plug-in Patch support has been added and LV2 plug-ins parameter properties manipulation is now accessible on the generic plug-in properties dialog. Fixed a recently introduced bug, that rendered all but one plug-in instance to silence, affecting only DSSI plug-ins which implement
DSSI_Descriptor::run_multiple_synths() eg. fluidsynth-dssi, hexter, etc. 2016-04-27 - The Haziest Photon Beta qtractor-0.7.7.tar.gz LV2 UI Touch feature/interface support added. MIDI aware plug-ins are now void from multiple or parallel instantiation. MIDI tracks and buses plug-in chains now honor the number of effective audio channels from the
assigned audio output bus; dedicated audio output ports will keep default to the stereo two channels. Plug-in rescan option has been added to plug-ins selection dialog (yet another suggestion by Frank Neumann, thanks). Dropped the --enable-qt5 from configure as found redundant given that's the build default anyway (suggestion by Guido Scholz,
thanks). Immediate visual sync has been added to main and MIDI clip editor thumb-views (a request by Frank Neumann, thanks). Fixed an old MIDI clip editor contents disappearing bug, which manifested when drawing free-hand (ie. Edit/Select Mode/Edit Draw is on) over and behind its start/beginning position (while in the lower view pane). 2016-
04-05 - A Hazier Photon Beta gtractor-0.7.6.tar.gz Plug-ins search path and out-of-process (aka. dummy) VST plug-in inventory scanning has been heavily refactored. Fixed and optimized all dummy processing for plugins with more audio inputs and/or outputs than channels on a track or bus where it's inserted. Fixed relative/absolute path mapping
when saving/loading custom LV2 Plug-in State Presets. 2016-03-21 - The Hazy Photon Beta gtractor-0.7.5.tar.gz Beat unit divisor, aka. the denominator or lower numeral in the time-signature, have now a visible and practical effect over the time-line, even though the standard MIDI tempo(BPM) is always denoted in beats as quarter-notes (1/4,
crotchet, seminima) per minute. Fixed an old hack on LV2 State Files abstract/relative file-path mapping when saving custom LV2 Presets (after a related issue on Fabla2, by Harry Van Haaren, thanks). Default PC-Keyboard shortcuts may now be erasable and re- assigned (cf. Help/Shortcuts...). New option on the audio/MIDI export dialog, on whether
to add/import the exported result as brand new track(s). Introducing brand new track(s). Intro
path locations saved in a previous session. Finally added this brand new menu Clip/Cross Fade command, aimed on setting fade-in/out ranges properly, just as far to (auto)cross-fade consecutive overlapping clips. 2016-01-28 - The Tackiest Gluon Beta qtractor-0.7.4.tar.gz Eye-candy warning: muted/non-soloed tracks are now shaded over the main
 thumb-view. Faster and crispier VST plugin editor (GUI) idle cycles. Fixed all core processing when any plugin has more audio outputs than channels on a track/bus where it's inserted. Added one decimal digit to all percentage input spin-boxes on the MIDI Tools dialog. Added brand new and global option to disable the so called "catch-up" default
behavior (cf. View/Controllers.../Sync). Fixed some track control issues related to MIDI Controllers generic mapping (cf. View/Controllers...). Try making Help/Shortcuts... dialog window modeless, as far as under MIDI Controllers generic mapping (cf. View/Controllers...).
drawing glitches introduced by the recent unlimited slack to editing beyond current contents length on main tracks view. Added application keywords to freedesktop.org's AppData. Fixed local keyboard shortcuts on the Files organizer widget actions and
context-menu. Improved Mixer multi-row layout (patch by Holger Marzen aka. bluebell, thanks). Fixed the Ctrl+drag/cloning left of a clip when towards near the beginning of session. 2015-12-29 - A Tackier Gluon qtractor-0.7.3.tar.gz Slight increase on the number of decimal digits for the plugin parameters while on the generic plugin properties
dialog. Also applied to automation curve node value editing. Unlimited slack is now in effect on editing over and beyond the current session or clip contents length, on both the main tracks and MIDI clip editor (piano-roll) views. Ctrl+click and dragging the left or right edges of a clip will now make it spill over and replicate as many clip clones as it fits
in the left or right horizontal extent. Added View/Note Type and Value Type command menus to the MIDI clip editor (aka. piano-roll) which opens the possibility for discrete shortcuts to switching views eg. Note Velocity and Controller views (after a kind request by yubatake, thanks). Fixed the conversion and/or override of MIDI clip editor (aka. piano-roll) which opens the possibility for discrete shortcuts to switching views eg. Note Velocity and Controller views (after a kind request by yubatake, thanks).
moving and copy/pasting across tempo/time-signature changes. Fixed MIDI file track/channel duration estimator, which was giving quite wrong and way too short reads. Fixed a drag-and-drop bug over the main tracks view, when new tracks were being inserted at the top and not to the bottom as is normally indicated by the floating visual
placeholder. Fixed LV2UI Resize handle from extension_data(LV2_UI_resize), now passing LV2UI Handle in first argument to ui_resize(), as found correct and needed for resizable/scaleable LV2 UI so called Infamous Plugins, thanks. 2015-12-10 - The Tacky Gluon Beta qtractor-0.7.2.tar.gz Yet another audio/MIDI time drift
correction fix, now giving it some slack while turnaround looping on tempo changes. Prevent x11extras module from use on non-X11/Unix platforms. MIDI Track/Instrument cascading pop-up menus have been added, to main and MIDI clip editor windows. VST Plugin preset/bank files support (FXB/FXP) is now being integrated to the generic
Plugin/Properties widget dialog. Added new Track/Duplicate menu command. Added simple XRUN red indicator to status bar. Make sure program change/presets are not selected on possibly multi-timbral instrument plugins when inserted on a MIDI bus. Prefer Qt5 over Qt4 by default with configure script. Fixed a potential crash-bug on first enabling
either once the audio or MIDI metronomes. 2015-10-09 - The Meson Dope Beta qtractor-0.7.1.tar.gz Fixed an ages old MIDI track/channel instrument mapping (bank, program) issue that prevented normal all-shut-up messages from being sent to MIDI output buses/ports on playback stop. Messages standard output capture has been improved again,
now in both ways a non-blocking pipe may get. Fixed port on MIDI 14-bit controllers input caching. Fixed false value readings on the MIDI clip editor (aka. piano -roll) tool-tips, when dragging a note velocity or controller value outside the acceptable nominal range (eg. 0-127). Added LV2_BUF_SIZE__nominalBlockLength option support (patch by
falktx aka. Filipe Coelho, thanks). Fixed wrong initial tempo/time-signature display when session is loaded from command line. LV2 plug-in UI GTK2 and X11 in Qt5 host native support added. Transport/Auto Backward feature now honoring (auto return) to same current location precedence as Transport/Backward. Single/unique application instance
control adapted to Qt5/X11 (cf. configure --enable-xunique). MIDI Tools/Quantize et al. are tentatively being corrected to take event times as relative to THE beginning of session, instead of MIDI clip start location.
2015-07-24 - The Muon Base Beta qtractor-0.7.0.tar.gz Complete rewrite of Qt4 vs. Qt5 configure builds. Revised MIDI Controllers now have their Hook and Latch options disabled as those are found not applicable, As an alternative to PC-
keyboard shortcuts, MIDI controllers are now also assignable and configuration dialog (Help/Shortcuts...). Fixed missing Track and Clip sub-menus from Edit/context-menu that were found AWOL ever since after the Lazy Tachyon beta release (> 0.6.6). An off-by-one bar
position (as in BBT, bar, beat and ticks) has been purportedly fixed as long as LV2 Time/Position atom event transfer goes. French (fr) translation line to desktop file added (patch by Olivier Humbert, thanks). A new top-level widget window geometry state save and restore sub-routine is now in effect. Improved MIDI clip editor resilience across temporated transfer goes.
and time- signature changes. Keyboard shortcuts configuration (Help/Shortcuts...) now lists complete menu/action path where available. Fixed in-flight VST plugin editor (GUI) resizing. Added support to LV2UI portMap extension, found really handy for the cases where you have multiple plugins with different port configurations and a single common
UI to drive them all (pull request by Hanspeter Portner aka. ventosus, thanks). 2015-05-27 - The Lepton Acid Beta qtractor-0.6.7.tar.gz MIDI clip editor (aka. piano-roll) position, size, and view /event type criteria are now persistent, across session and user preferences application state. Generic plugin form widget position is now also preserved across
open/save session cycles. MIDI clip editor resilience is about to get an improvement, fe. it doesn't close on stopping record/overdub anymore. Introducing (JACK) Timebase master setting as an option to Transport mode (cf. View/Options.../General/Transport /Timebase). LV2 plug-in MIDI/Event support now slanted for deprecation. Spanish (es)
translation added, by avid Reyes Pucheta. It's live: audio track/Export Track/Export Track/Audio...) has been deeply refactored to finally include MIDI track/instrument plugins rendering (aka. freeze) on selected audio output buses on mix-down. (EXPERIMENTAL) MIDI file player now does (N)RPN 14-bit controller events. Track properties dialog
output bus switch fix/optimization; also fixed multiple DSSI instance reference count on close. Fixed for some strict tests for Qt4 vs. Qt5 configure builds. German (de) translation update (by Guido Scholz, thanks). 2015-03-29 - The Lazy Tachyon Beta qtractor-0.6.6.tar.gz MIDI clip record/reopen to/from SMF format 0 has been fixed. LV2 and VST
plugins GUI editor widget position is preserved across hide/show cycles. Added a "Don't ask this again" prompt option to zip/archive extrated directory removal/replace warning messages. MIDI clip editor (aka. piano-roll) gets lingering notes properly shown while on record/overdubbing
Current highlighted client/port connections are now drawn with thicker connector lines. Fixing segfaults due to QClipboard::mimeData() returning an invalid null pointer while on Qt5 and Weston. Return of an old hack/fix for some native VST plugins with GUI editor, on whether to skip the explicit shared library unloading on close and thus avoid
some mysterious crashes on session and/or application exit. Force reset of plugin search paths change (in View/Options.../Plugins/Paths). Recursive VST plugin search is now in effect for inventory and discovery on path sub-directories (VST only). Non-dummy scanning for regular VST, non-shell plugins, were doomected in view (VST only).
to infinite-loop freezes on discovery, now fixed. 2015-01-30 - The Fermion Ray Beta qtractor-0.6.5.tar.gz Connections splitter handles width is now reduced; the MIDI connections splitter handles width is now featured on the track-list (main left-
pane), primarily allowing for group mute/solo (and monitor) switching. Track-list (left pane) header column widths are now saved and made persistent across application power cycle (double -click reverts to the old original default). Minor fixes on the MIDI clip event list editor, also making sure the current event is visible on the piano-roll view. As long
to prevent asynchronous mistakes to JACK transport state changes, an internal slack-delay is now introduced after self-initiated transport commands (eg. start/stop). The MIDI clip editor (aka. piano-roll) was missing to clear or reset the current selection when no shift/ctrl keyboard modifier is in effect. VST-shell sub-plugins are now supported (as
suggested by abique aka. Alexandre Bique, thanks). MIDI clip record/overdubbing is now possible (Clip/Record from the main menu or File/Record from the MIDI clip editor. Make sure some audio sample file encodings (eg. old Ogg Vorbis) does not head-start on audio peak generation. 2014-11-24 - The Baryon Throne Beta qtractor-0.6.4.tar.gz Fixed
some old loop-recording clip drawing glitches. Current assigned track/channel instrument definition names for MIDI controllers, note keys, RPN and NRPN, are now in effect on the MIDI clip editor drop-down lists, whether available. Clip/Take/Range... input dialog values are now properly sanitized as long to prevent invalid take/folding ranges. Audic
capture/export file type default now set to "wav". Extending punch-in/out over loop-recording/takes modes. Make audio tracks monitoring always flow while playback is rolling, independently of their mute/solo state. Fixed undo/redo conversion of audio clip offsets under (automatic) time-stretching eg. due on tempo changes. (ticket by Holger Marzen
thanks). Latch/momentary MIDI Controllers toggle mode introduced (a request by AutoStatic aka. Jeremy Jongepier, thanks). JACK client/port pretty-name (metadata) support is being seamlessly introduced. (EXPERIMENTAL) Audio frame/MIDI time drift correction is now an option on View/Options.../MIDI/Playback/Enable MIDI queue time drift
correction. Transport auto-backward feature now honoring last position playback was started. Introducing brand new application user preferences on View/Options/Custom style and color themes (eg. "KXStudio", by Filipe Coelho aka. falkTX). Mixer widget gets automatic multi-row strip layout. Clip fade-in/out now follows time
stretch resizing, via shift/ctrl+click and drag one of its edges. Fixed a typo causing FTBFS when VST plug-in support is explicity disabled (./configure --disable-vst). 2014-09-22 - The Armed Hadron Beta qtractor-0.6.3.tar.gz Make the mouse-wheel to scroll the plugin list views, when not hovering a direct-access parameter slider. Mixer widget gets
(un)dockable Inputs and Outputs panels, also with their respective title captions. Plugin instantiation is now constrained as much to prevent any audio channel output overriding. Existing plugin presets may now be selected right(-click) from plugin list context-menu (ticket by Harry van Haaren, thanks). So-called "painting" over multiple selected
event values, while on the MIDI clip editor view pane below the main piano-roll (eg. note velocities, controller values, etc.) is now split into two similar painting modes, whether the sub-menu Edit/Select Mode/Edit Draw is set on (free-hand) or off (linear). Drag-and-copy of plug-in instances across tracks or buses (ie. cloning) now also copies the direction of the main piano-roll (eg. note velocities, controller values, etc.) is now split into two similar painting modes, whether the sub-menu Edit/Select Mode/Edit Draw is set on (free-hand) or off (linear).
access parameter setting (ticket by Holger Marzen, thanks). File/Save As... now prompts and suggests an incremental backup name for existing sessions files. Zooming in/out increment is now augmented by whether shift /ctrl keyboard modifiers are set (on a ticket request by Holger Marzen, thanks). LV2 Time position event messages for plugin atom
ports that support it is now being implemented. Attempt to break extremely long audio file peak generation on session close or program exit (as reported by EternalX, thanks again). MIDI Controllers Hook and Invert properties are now properly saved for tracks (after bug report by Nicola Pandini, thanks). A segmentation fault when closing with VST
plugins open has been hopefully fixed (after a patch by EternalX, thanks). Messages standard output capture has been slightly improved as for non-blocking i/o, whenever available. Automation curve node editing has been slightly improved as for non-blocking i/o, whenever available. Automation curve node editing has been slightly improved as for non-blocking i/o, whenever available.
linear and spline automation curve modes for all integer valued subjects. Also, make sure those values are rounded to the nearest integer away from zero. Fixed save of LV2 Presets for plugins by eg. drag-and-dropping across
tracks, automation curves were being left behind, maybe leading to unpredictable mistaken behavior. Hopefully, not anymore. Translations install directory change (after a ticket by Holger Marzen, thanks). Audio/MIDI files or plugins found missing on session load are
now subject for an explicit modal warning message and prompt for an immediate session backup salvage. Changing instrument plugin programs is now an undo/redo-able command operation, especially for DSSI but also for plugins that come with the LV2 Programs interface extension support ( . Drawing, selecting and/or resizing of MIDI note events
that extend across tempo/time-signature changes is now made a bit more correctly over the MIDI clip editor (aka. piano-roll), especially regarding to current snap-to-beat setting (after an outstanding ticket by yubatake, thanks). Once again, audio frame/MIDI time drift correction has been slightly refactored to improve MIDI input monitor and timing.
Discrete automation curve node values may now be edited via a numerical entry floating spin-box on double-click (as yet another request by AutoStatic aka. Jeremy Jongepier, thanks). Pressing shift/ctrl keyboard modifiers while double-clicking on a plugin list entry now briefly reverses the current View /Options.../Plugins/Editor/Open plugin's editor
(GUI) by default option preference. Fixed an old crash lurker when switching output buses that implied a change on the number of audio channels, while on tracks that have (auto-)monitor turned on and at least one active plugin in chain (yet another ticket by AutoStatic aka. Jeremy Jongepier, thanks). MIDI Controller assignment (aka MIDI learn)
and/or automation of plugins (de)activation state has been added. Allow the build system to include an user specified LDFLAGS (patch by Alessio Treglia aka. quadrispro, thanks). 2014-04-29 - The Bitsy Sweet Beta qtractor-0.6.1.tar.gz New
user preference option added as View/Options.../Display /Transport/Hold auto-scrolling (follow play-head) on edits (after requests by Holger Marzen and Louigi Verona, thanks). All color chooser dialogs were missing proper titles. Audio peak file re-generation and clean-up has been hopefully fixed and cache optimized (re. drawing audio clip
waveforms). Fixed initial session snap-per-beat setting on main toolbar. Clip/Export...'ed files are now made persistent, no questions asked (after a ticket by Oliver Kester, thanks). Portuguese (pt) translation added: on whether to save plugin
automation values with higher resolution as possible, using 14-bit NRPN: cf. View/Options.../Plugins/Experimental/High resolution plugin automation (default=off). Generic native plugin dialogs now shows an additional "About" last page where authorship credits are due. A new user preference option is now in place for whether to use desktop
environment's own native file requester/browser dialogs (View/Options.../Display/Dialogs/Use native dialogs). A bit of slack have been introduced to put "Follow Playhead" (aka. auto-scroll view mode) on hold, while doing in-flight selection edit moves. Fixed some user interface related annoyances while on the MIDI Controllers mappings (ie.
View/Controllers...). Fixed port origin on MIDI RPN/NRPN 14-bit controllers input. A discretionary plug-in unique identifier have been devised for when more than one from the same type are inserted on a bus or track chain, avoiding destructive clashing of automation data. Horizontal scrolling shift+mouse-wheel direction now reversed. LV2
Dyn(amic)-manifest support is now options.../Plugins/Experimental/LV2 Dynamic Manifest support). The following options, although decieved on View/Options... as global configuration options, were always and still are proper session instance properties: (JACK) Transport mode, MMC mode, MMC device, MIDI SPP and
MIDI Clock modes, are now shown there reflecting the current open session state. A couple of run-time circumventions have been hacked in, both strictly related to when NSM session management is in charge: 1) the new session template feature is disabled (was aborting initial NSM new client additions); 2) the native (as from the desktop
environment eg. KDE) file browser/requester dialogs are disabled (were taking too long to list the current directory on first time invocation). Update current automation/curve nodes selection while changing horizontal (time axis) zoom levels. One liner's attempt to make it consistent behaviour on resizing and moving multiple selected notes or events.
while on the MIDI clip editor (aka. piano-roll; after a ticket request from Daniel MacDonald aka. danboid, thanks). Introducing tiny quarter-note/crotchet/seminima/beat icon on all snap-to-beat selection items get a new icon :). Corrected some audio clips
Session auto-save period was chronically reduced to one third of its user setting; non critical but fixed now. 2013-12-31 - The Mike November qtractor-0.5.12.tar.gz Fixed another off-by-one MIDI plugin chain timing bug, delaying the actual playback of the first MIDI event, whenever it started at the same and as long as the initial play-head position
(after another ticket by Holger Marzen, thanks again). A new LV2 host convention is in effect on plugins that expose multiple AtomPort's in either direction: only the first input or output declared AtomPort's in either direction: only the first input or output declared AtomPort is eligible to convey regular MIDI data events (introduced while trying Frank Kober's forthcoming QmidiArp LV2 suite of plugins, thanks).
Zooming with shift/ctrl+mouse-wheel and pointing over the main tracks view or MIDI clip editor time ruler header's now fixed. A rare freezing loop condition by Tuomas Airaksinen, thanks again). Copy/paste now preserving clip names (ticket by Holger Marzen,
thanks). Scaling of whole tempo map with a given factor has been added, through a spin-box and button in Tempo Map / Markers dialog, after a long overdue patch by Tuomas Airaksinen, thanks again. When issued from main tracks view (ie. Clip/Tools menu) MIDI clip tools are now a bit more crash-resilient re. undo/redo- ability. Session auto-save /
crash-recovery support is now on trial as in View/Options.../General/Session/Auto-save current working session every 10 minutes (default on). Plugin-list chain context-menu now includes MIDI instrument audio output buses, any other than the previous hard-wired default (eg. Master). Tracks export now allows current working session every 10 minutes (default on).
for the mix-down/merge of multiple audio/MIDI output buses (Track/Export Tracks). When adding new tracks, try preserving the last selected bus names, while not the default Master ones (after a suggestion from danboid aka. Daniel MacDonald, thanks).
MIDI clip editor window (aka. piano-roll overview). General MIDI RPN/NRPN 14-bit controller support is now being introduced on real-time MIDI input parsing, on standard MIDI file I/O, on MIDI clip and event list editor. Pretty innocent nitpick on most thread cleanup routines. 2013-10-07 - The Lima Oscar
gtractor-0.5.11.tar.gz Adding a track now inserts it after the current one, if any; one can also drag and move a track below the last one in the track list (main view left pane). Extended Edit/Select Mode/Automation: multi-selection mode, cut, copy, paste and delete of current track's automation curve nodes, now reached implementation ready status.
Another old silent bug bites the dust: changing track names were dropping any track gain/volume and panning automation curves when saving the session. A primeval processing bug has been sorted out: aux-sends to audio output buses that just appear to be after the input bus where they're inserted were being left muted and silent (on a ticket
follow-up by Holger Marzen, thanks). Fixed a sure crash bug exposed when processing of aux-send plugins when inserted too early on audio input buses chain (after a ticket report by Holger Marzen, thanks). Shift/Ctrl keyboard modifiers now set to
extend current clip selection while in main track view's Edit/Select Mode/Range, Rectangle modes. Main Edit/Select Mode/Automation icon retouched to look a bit more obvious and intuitive, hopefully;) Allow to change the velocities/values of the current selected events which have the exact same onset times and hide beyhond each other on the MIDI
clip editor's pane below the main view piano-roll (ie. the one that represents MIDI event values as a bar chart). Fixed some problematic playback/export muting and annoying cleanup freezing, due on audio tracks with too many clips eg. more than hundred clip splits (hopefully fixes an issue reported by Louigi Verona, thanks). LV2 UI resize feature
support/control added. Fixed dedicated MIDI control and MIDI metronome port connection restore conflict (thanks to jhammen catch & patch:). New user preference option added: reverse middle-button role to Shift/Ctrl keyboard state, in special regard to edit-head/tail vs. play-head positioning while on the main track and MIDI clip editor (akan track).
piano-roll) views. 2013-07-18 - The Kilo Papa qtractor-0.5.10.tar.gz Default drum-key note names are now properly showing on MIDI tracks that are assigned to known drum/percussive instrument patches (eg. SoundFont 2 (.sf2) bank 128). Time display format (frames, clock-time or BBT) may now be changed from the context-menu on any time entry
 spin-box. LV2 plugin support is now tightly tied to liblily; the same tie applies to LV2 plugin UI support and libsuil and vice-versa. Mixer buses racks (ie. left/input and right/output panes) are now both kept fixed-width when whole mixer window is resized. Unconditional LV2 Dyn(amic)-manifest support has been added. Main track-view
Edit/Insert, Remove/Range dialog is now being introduced with optional applicability to Clips, Loop, Punch in/out, Automation, Tempo-map and/or Markers. New range removal edit/Remove/Range, Track Range).-by Tuomas Airaksinen, thanks. Andy Fitzsimon's original
icon from opencliparts.org makes it through as the default standard scalable format (SVG). Automation's back in effect on Track/Export Tracks.../Audio. Reversed shift/ctrl keyboard modifier roles on middle-button clicking over the main track and MIDI clip editor views (aka. piano-roll) in regression to original old semantics. Color selection actions
now have a brand new palette icon. Make sure main track-view and MIDI clip editor selection is only cleared on specific discrete commands. Try keeping the original session file in most recent files menu list, despite current version auto-incremental backup mode is in effect. Fixed non-zero clip offsets upon tempo/time-scale changes. Some sympathy
to extreme dark color (read black) schemes is now indulged on empty backgrounds. 2013-06-06 - The Juliet Quebec qtractor-0.5.9.tar.gz Auto-incremental version numbering of backup session files; brand new versioning mode option added. Fixed one long as ever MIDI file export bug, which was about washing all self-induced MIDI bank-select (CC#0
CC#32) and program-change (PC#) events into MIDI channel 1, regardless of the source track/channel. Fixed initial sample-rate differs from the current audio device engine (ie. JACK). New German (de) translation added (by Guido Scholz, thanks). Now
accepting JACK transport tempo and time-tignature changes while in slave transport mode. Fix ref-count and auto-removal of created files that result from clip merge/export when session is closed but not saved. MIDI track instrument bank/program selection, from plugin UIs that support it, is now effectively and complete. Custom connections for
dedicated audio outputs from all plugin chains in MIDI tracks or buses are back in business, hopefuly restored gain on session load (ticket by yuba, thanks). Track Properties dialog is not set initially dirty anymore. Audio buses plugin state's
persistance were found AWOL: while being properly saved as usual, were being restored to default on every session reload (as noticed by yuba, thanks). NSM (Non Session Management) support is being introduced. The MIDI clip editor (aka. piano-roll) gets a brand new rescale mode: ctrl+dragging the right edge of a note now rescales all times and
duration of all the subsequent selected notes (after an interesting idea/ticket by Joel Leclerc, thanks). The new MIDI clip editor rescale mode also applicable to event values (eg. note velocities, pitch-bend), while ctrl+dragging the edges of an event vertical bar. VST plugin (GUI) idle timer makes a comeback. Hard-wired LV2 UI selection order for
plugins which supply more than one option (lv2_external_ui gets always honored first then, as provided via libsuil, X11, GTK and last but not least, Qt4). 2013-03-19 - The India Romeo qtractor-0.5.8.tar.gz Dropped old audio ramping spin-locks as its glitching reduction weren't that effective anymore. Audio bus and track gain may now be set for
      lification again, from +0dB up to +6dB, while using the Mixer strip sliders/faders (an old function found missing ever since pre-TYOQA). Basic LV2 X11 UI support the LV2 External UI extension in addition which takes precedence on any case. Improved precision
tolerance on the Tempo Map / Markers dialog. Reinstated and fixed (old) warning and impending re-conversion on loading session files which the original sample-rate differs from current audio device engine (aka. JACK). LV2 Plugin State/Preset name discrimination fix (after a ticket by Jiri Prochaszka aka. Anchakor, thanks:) Linked/ref-counted audio
clips must not overlap and now must have a buffer-size worth of a gap between each other. Something fishy has been detected in the SSE (not so) optimized code from SoundTouch's-inspired WSOLA time-stretching. Splitting clips according to the solution of 
to current range/rectangular selection. Audio clip offsets are now properly corrected when time-stretching is applied via Shift/Ctrl+dragging any of the clip edges. One semi-colon typo was hiding proper descrimination of peak files used to draw distinct waveforms of time-stretched audio clips. Track automation curves are now also affected by
Edit/Insert/Range commands. Finally, some visual feedback is shown while audio track export is running, in he form of a main status progress bar. New user option: save backup versions of existing session files. Default session directory now set to regular file's path on load. A convenient minimum slack duration has been fixed for MIDI SysEx
messages. LV2 Time/position information is now asynchronously fed back into their parameter (control input) ports when designated. LV2 State is now properly restored for plugins inserted on buses, probably solving the Calf Fluidsynth SoundFont information missing on buses ticket, reported by Albert Graef, thanks. Fixed an immediate null pointer
crash on creating a parentless new group while on the files organizer widget. Preparations for future Qt5 migration. 2012-12-27 - The Hotel Sierra qtractor-0.5.7.tar.gz Loop and punch in/out ranges may now get set simultaneously, may even overlap each other. However, punch in/out range recording will always prevail over any loop recording takes.
LV2 Worker/Schedule now supporting multi-instance vs. single-UI scenarios. LV2 Options and Buf-size extension support added. Fixed an off-by-one-tick bug on MIDI file input which was leaving spurious zero-length runt notes at the end of a MIDI clip, if a note-on coincides with the ending/split point (on ticket issued by Jonathan H. Pickard, thanks).
Good old SLV2 library support for LV2 plug-ins (libslv2) is now irrevocably deprecated, or better said, completely wiped-out from the LV2 host code, now considered extinct. LV2 UI parameter updates are now asynchronously detached from the LV2 host code, now considered extinct.
plugins with a GTK based UI (eg. amsynth, triceratops, etc.). Make sure LV2 UI parameters (input control ports) get updated when loading a genuine LV2 state preset. Improved the (custom) tempo spin-box widget signal(ing) processing and dispatching. Show proper pointing cursor and location tool-tip while dragging any of the time ruler markers
(including latest location markers/bar). On saving as an archive/zip session file (suffix .qtz) include only those files that are actually referenced by live clips arrangement. Ongoing integration of location markers infrastructure (time-scale and MIDI-file support). Free-hand/linear retouching of event values, while on the MIDI clip editor's view pane
below the main piano-roll (eg. note velocities), is now possible provided the target events are selected, otherwise the usual painting edit sub-mode applies (cf. menu Edit/Select/None, All, Invert, Range) whether the
main piano-roll or the event value (velocities) view. Mouse middle-button clicking is back in business on main track-view and on MIDI clip editor views (piano-roll) as an immediate play-head (re)positioning command or merge/reset the edit-head/tail cursors if Shift/Ctrl keyboard modifiers are pressed. Formerly protected, class
qtractorClip::FadeFunctor is now public in an shot-in-the-dark attempt to fix clang builds (as reported by Jekyll Wu, thanks). Override all sub-classed widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets mouse-pointer event handlers to be isolated from base widgets and the point of th
GUI were not shown due to their respective widget (GdkWidget) being prematurely and unexpectedly destroyed when raised (via libsuil). The dedicated audio outputs setting for instrument plugins was not in effect as default global option for new MIDI tracks, now fixed, hopefully (thanks to danboid aka. Daniel MacDonald persistence). An immediate
Files widget cleanup option is now made available, as to select and remove all unused file entries. MIDI track (un)solo/mute reset clip event sequence fixing; definite regression to MIDI track's occasional muting bug while clip editing and playback is rolling. Apologies due on this one: shift/ctrl keyboard modifiers are back in business to change MIDI
events currently selected in one single step while on MIDI clip editor (aka. piano-roll). Sorry. Japanese (ja) translation added (by Takashi Sakamoto). General time-scale bar, beat and tempo rounding fixing. Keyboard shortcuts configuration (Help/Shortcuts...)
listed as fully accessible actions, making each snap-per-beat setting assignable to a keyboard shortcut (after a feature request by danboid aka. Daniel MacDonald, thanks). Fixed meloading of LV2 Presets that are newly created/saved
during current session; actually delete and remove a LV2 Preset if found in the file-system (as suggested by Jiri Prochaszka aka. Anchakor, thanks again). Preset drop-down list is now sorted, on plugin properties dialog. After a long absence, edit(blue) cursor vertical lines are back on the MIDI clip editor views (aka. piano-roll). LV2 1.0.0 compliance
phase II: LV2 State Files support completed. Updated to newer LV2 External UI extension support (now maintained by Filipe Coelho aka. falktx). Brand new editing tool: empty range insertion, split/moving clips or events forward the specified edit-head/tail interval, defaults to next measure or bar (cf. menu Edit/Insert/Range, Track Range). Don't show
the waiting cursor anymore when loading any plugins which might have a nice native editor (GUI) and options are set to show it. MIDI file player's bug, evident while transport rolling in looped mode, has been fixed with yet
another oneliner patch (kind by Jiri Prochaszka aka. Anchakor, thanks again). LV2 plugins with a Qt4 GUI (guess what or whom?) are now guaranteed to some reasonable window type like Qt::Widget but not Qt::Dialog nor 
addition by Jiri Prochaszka aka. Anchakor, thanks). MIME type icons support for session (*.qtr *.qtr), template (*.qtz) are now being introduced. LV2 State Files feature support is shamelessly getting real trial, now letting files referenced in LV2 plugin states to be seamlessly included when saving to a zip/archive file bundle (.qtz
suffix). Added some virtual destructor stubs to shut up gcc 4.7 warnings. Improved plugin state resilience, now finally with parameter name matching, specifically targeted on loading old sessions or plugin preset files (.qtx), preserving old saved plugin states as much as possible in face of rogue or discrete parameter index renumbering, due naturally
on any plugin's life cycle ie. upgrades etc.;) Added some more snap-to-beat divisors (Beat/128). New French (fr) translation added (by Yann Collette, thanks). Slight late optimization on vertical zebra/grid lines drawing. 2012-06-15 - The Foxtrot Uniform
gtractor-0.5.5.tar.gz Auto-monitored MIDI tracks were missing their pass-through to their respective MIDI output bus plugin to get a peek from auto-monitoring. New user option/preference to whether to open a plugin's editor (GUI) by default, when available (cf.
View/Options.../Plugins/Editor). Clicking and/or dragging for rubber-band selection on main track-view canvas doesn't change the edit-head and -tail positions anymore. Backward and Forward transport is finally entering the scene; LV2 Worker/Schedule
support is also included in a bold attempt to convey non-MIDI event transfers between plugin and its UI. MIDI Clip editor (aka. piano-roll) and MIDI Tools fix: avoid note-on events of zero velocity, which conventionally equates to a dangling note-off event and dropped into oblivion sooner or later. There's no more need for Shift/Ctrl keyboard modifier
to change in one single step all the MIDI events that are currently selected (now consistent with drag-move). LV2 Presets directory; default is ~/.lv2). Dropped XInitThreads() head call as it was never useful but on those
early days of JUCE VST plugins. Italian (it) translation added (by Massimo Callegari, thanks). Clip fade-in/out dragging now follows snap-to-beat setting. Late modern eye-candy indulgence: alternate shaded stripes, on every other bar as in a "zebra" background option for the main tracks and MIDI clip editor views (cf. View/Snap/Zebra). LV2
Time/position information is now being supported through special designated plugin input ports (after suggestion by Filipe Coelho aka. falktx). Additionally, the time/position information report has been corrected and complemented for VST plugins. Audio vs. MIDI time drift correction has been slightly improved against rogue tempo changes across
looping cycles. Honor tempo/timing on MIDI instrument plugins to play nice in face of tempo changes and whenever playback is started from anywhere but the beginning of the time-line (ie. frame zero); thanks to rvega aka.
Rafael Vega, for the heads-up). Audio clip wave-forms were being displayed in inverted phase (ie. upside-down) all this time ever since day one. What a shame! :) LV2 Programs interface is getting initial experimental status, to let LV2 instrument plugins get on par with the DSSI and VST crowd for MIDI bank/program instrument inventory and
selection support (a sidetrack complot with Filipe Coelho aka. falktx, thanks). SLV2 deprecation process started, effective now at configure time. Added include to
shut up gcc 4.7 build failures (patch by Alessio Treglia). Another approach avoiding recursive observer widget updates. Also applies to mixer, monitor and track state buttons. Update to latest LV2 state extension (by David Robillard, thanks). Loop-recording/take number displayed on clip title, respectively. Make(ing) -jN parallel builds now available
for the masses. A one buffer period slack on audio engine's loop turn-around logic might just have fixed an illusive report on loop-recording/takes going progressively out-of-sync, most notably when recording under large audio buffer period sizes (>= 1024 frames/buffer). Editing MIDI while playback is rolling, doesn't mute the track any more, adding
a point to the live editing experience. Finer granularity for direct access parameter mouse wheel changes. Dropped a dumb optimization for short full-cached multiple linked /ref-counted audio clips which were incidentally out-of-sync after rewind/backward playback. Once again and uncertain to be the last take on this, got fixed (probably related to
some oddity reported by Louigi Verona, thanks). 2012-03-01 - The Echo Victor gtractor-0.5.4.tar.gz Direct access plugin/insert parameter changing tool-tip added. A Transport/Panic action enters the scene, in a nostalgic attempt to emulate the all-MIDI-track-shut-off command of those drop-dead and primordial MIDI sequencers of all time. Now finally
a keyboard shortcut and mouse click-away;) MIDI editor command redo/undo adjustment now effective on all other channel events besides notes, which overlap at the same event time. A new File/Unlink menu action is now made available from the MIDI clip into a new
auto-incremented SMF filename. Some audio/MIDI content/media-file resource management is entering the scene, taking care of some file-system house-keeping, this gets evident on unsaved/dead recorded files being automatically removed from the file-system house-keeping, this gets evident on unsaved/dead recorded files being automatically removed from the file-system house-keeping, this gets evident on unsaved/dead recorded files being automatically removed from the file-system house-keeping, this gets evident on unsaved/dead recorded files being automatically removed from the file-system house-keeping, this gets evident on unsaved/dead recorded files being automatically removed from the file-system house-keeping.
feature/extensions support. Auto-monitored MIDI events are now merged/queued correctly into the instrument plugin playback queue, avoiding sudden crashes, hopefully. Awesome patch from Albert Graef, thanks, which makes most MIDI SysEx to get through MIDI instrument plugins at last; applies to DSSI and LV2 plugins only. LV2 URID
map/unmap feature support added. Plugin parameter value redo/undo command aliasing fix. Double-clicking in plugin list item now show/activates the plugin's editor window (was toggling visibility/activation). Plugin path settlement. Session
properties dialog now asks to create a new session directory if the given one does not currently exist. MIDI note names and their respective octave numbers are now compliant with the ISO standard where middle C (60) is now C4 (was C3). Fixed audible glitch/pop at the beginning of an audio clip with long quadratic or cubic shaped fade-in (reported
by Lougi Verona, thanks). MIDI Controller Auto-Hook patch by Alessandro Preziosi, thanks. Make sure all MIDI note-off are always queued after their respective note-on events (hopefully fixing the hanging notes bug reported by Albert Graef,
thanks). LV2 MIDI-fx plugin support has been repaired. Single-track clip selection logic corrected again, fixing multi-clip selection drag/move across an odd number of distinct tracks (after a bug report by Louigi Verona, on linux-audio-dev, thanks). MMC Locate time-code hour bit-field fix; MMC Locate now also on loop turnarounds (patches by Albert
Graef, thanks). Looping across multiple linked/ref-counted audio clips was incredibly broken with complete out-of-sync playback. Hopefully fixed now, with auto-unlinking/cloning all the affected audio clip buffers. Audio clip overlapping detection off-by-one(-frame) fix. MIDI Tools/Resize value ramp mode has been added (mocking the 'resize to range'
feature request by Daniel MacDonald aka. danboid). 2011-12-28 - The Delta Whisky qtractor-0.5.3.tar.gz Fixed initial LV2 plugins UI widget/window titles. Attempt to get any brand new LV2 plugins Qt4 enabled UI's working on either slv2 and lilv build modes;) (nailed by falkTX, thanks). Current clip is ultimately inferred from the one under the play-
head position and current selected track; the last one clicked over and/or selected still has precedence (following request by Loiugi Verona). Drag-moving clips horizontally with the keyboard arrow-keys just got a step better with a fixed minimum of one pixel, depending still on the current snap-per-beat setting and horizontal zoom level (as suggested
by Louigi Verona, thanks). Get maximum and minimum peak values back when drawing audio waveforms. Automation play/feedback has been missed to show on those plugins that provide their own GUI, now on par with all the rest 'homebrew' widgets (eg. generic plugin properties dialog). All plugin parameters automation and selection were left
inaccessible until the generic native plugin dialog is eventually shown, now fixed. 2011-12-16 - The Charlie X-ray qtractor-0.5.2.tar.gz Fixed a probably old lurking destructive bug, which was incidental to when an invalid or non audio file is imported, intentionally or by mistake, into new or existing audio clips (eg. importing a MIDI file where an audio
file is expected). Force audio file closing to occur on the very same disk-write (sync) thread, possibly mitigating an old random crash issue lurking in the vorbis analysis() final call. Fixed extraordinary shadow-playback of audio clips which extent were longer than the respective
audio file length. Default session file format option now promoted (see View/Options.../General/Session) in the way of whether file suffix gets honored upon session open or save (.qtr, .qts or .qtz). This brand new option also applies for default state file format on a JACK-session salvage context. The View/Options... (aka. user preferences) dialog sees a
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new arranjement in layout, with some options moving into this brand new tab page called General. LV2 State extension from now on (thanks to Dave Robillard). Dirty MIDI clips are now auto-saved when MIDI clips are now auto-save
track properties get changed through its own dialog. Fixed one probable too old crash when canceling a new/add track dialog. MIDI SysEx event list editing is now fixed. Once again, make sure all recorded clips start and end at the very same position when multiple track recording is turned on/off, while playback is still rolling. Fixed Makefile.in
handling installation directories to the configure script eg. --datadir, --localedir. Possible attempt to improve in-flight recording clip display, especially when looping and MIDI clips are involved. MIDI clips are involved. MIDI clips are involved. MIDI clips which
reference the same SMF and track/channel. Creating new or updating existing buses with exact same names of any current dedicated inputs/outputs (which are implemented as special covert buses) is now disallowed. Loop-recording/takes functionality is now ready for the masses and accessible from brand new Clip/Take menu (Select, First,
Previous, Next, Last, Reset and Range...; the latter is actually being provided as bonus feature:) as to fold any given clip into so-called takes, simulating loop-recording/takes infrastructure integration is sneaking in: all clips recorded under a loop/cycle range may now get split (folded) into one or more cording/takes infrastructure integration is sneaking in: all clips recorded under a loop/cycle range may now get split (folded) into one or more cording/takes infrastructure integration is sneaking in: all clips recorded under a loop/cycle range may now get split (folded) into one or more cording/takes infrastructure integration is sneaking in: all clips recorded under a loop/cycle range may now get split (folded) into one or more cording/takes infrastructure integration is sneaking in: all clips recorded under a loop/cycle range may now get split (folded) into one or more cording/takes infrastructure integration is sneaking in: all clips recorded under a loop/cycle range may now get split (folded) into one or more cording/takes infrastructure integration is sneaking in: all clips recorded under a loop/cycle range may now get split (folded) into one or more cording/takes infrastructure integration in the cordinal cordinal
so-called takes. A new option is now provided, as to select which take is about to retain after the recording behavior, where clips are laid out unfolded through the timeline, as usual (see menu View/Options.../Display/Loop recording mode). Improved
robustness in face of disabled audio buses when global maximum number of JACK (audio) ports is surpassed. Improved single-track clip selection status logic. Clip/Unlink action is now available for detaching linked/ref-counted MIDI clips, renaming and saving into auto-incremental SMF filenames. Temporary session archive directory now (pre)fixed
with program name (eg. /tmp/qtractor). Fixed VST GUI editor window title on first show. Fixed build for ancient VST-SDK 2.3 (32bit only). 2011-10-05 - The Bravo Yankee qtractor-0.5.1.tar.gz More LADISH support: SIGTERM signal is now trapped for graceful application close. Improved paste-repeat snap precision when dealing with large repeat
counts. Czech (cs) translation added, by Pavel Fric. Added a few snap-to-beat divisors (unusual Beat/7, Beat/8, and Beat/10) for completeness sake.
optional for default audio master bus, metronome, player and MIDI instrument plugin dedicated audio outputs. Finally, after a pitiful large brain-dead period, generic plugin forms are now showing all possible controllable plugin parameters featuring a paged, tabbed dialog, whenever applicable. Special hack/fix for JUCE based native VST plugins,
which are the most actually found with a GUI editor, skipping explicit shared library unloading and thus avoiding some mysterious crashes on session close and/or LV2) is now implemented and functional (intra-chain only). Instrument plugin bank/program selection was found broken or
dead in the water, specially on VSTi, now finally fixed again. VST plugin parameter value display on generic form is now back in business (were dead regarding value changes). All plugin form. Long overdue implementation of a dedicated
MIDI file player is now accessible from the MIDI files widget; one can play the whole SMF or just a single track or channel. Update to a newer VeSTige header, probably fixing an old 32 vs. 64 bit mismatch. Avoid JACK sessions are (re)loaded, given the
fact that session management will take care of just that; more also, untitled/default session names are now also picked up to match current LADISH project name, obviously given by LADISH PROJECT NAME environment variable, whenever present (as suggested by Nedko Ardaunov). Paste-repeat floating selection has been fixed (was showing only
the last repeated selection). Coherence of tempo changes on audio and MIDI clips, whether automatic time-stretching is in effect, has been slightly improved, hopefully fixed. Bold attempt to get linked (aka. ref-counted) audio and MIDI clips into practice (EXPERIMENTAL). Main track view now showing all clips above the grid. Added support for both
new and older (deprecated uri) lv2_external_ui extension (by Nedko Ardaunov). Following yet another great idea, and implementation, by Holger Dehnhardt, who already brought us the new aux-send insert plugin, thanks again, the so-called direct access control option is now featured for any plugin parameter right from plugin listings eg. mixer
strips. General resource consumption and management has been slightly improved, due to internal buses allocation optimization. Fixed nasty crash-bug that was severely affecting all sessions that had at least one insert (pseudo-)plugin on any audio input bus. All automation curve nodes are now relocated whenever disparate session sample-rate is
detected on load. New aux-send/insert pseudo-plugin is now introduced, allowing to route any track audio output to any other audio output bus besides the nominal one -- thanks to an original implementation from Holger Dehnhardt. New immediate edit/loop-range settings from current clip extents, accessible on the main menu (Clip/Range Set, Loop
Set) and from MIDI clip editor menu as well (File/Range Set, Loop Set). MIDI Names XML files (*.midnam) may now be imported into MIDI instrument definitions. (EXPERIMENTAL) Avoid cursor reset while editing MIDI events list (fixes bug reported by Frank Neumann). Just some typos fixing (patch by c-korn). Track view automation curve editing
mode has been slightly fixed, now allowing for other previously existing point-and-click mouse operations. Default automation curve mode is now preserved (following a suggestion by Alexandre Prokoudine, thanks). 2011-07-22 - The Alpha Zulu (TYOQA) qtractor-0.5.0.tar.gz MIDI controller learn/catch-up sees the way in: MIDI controller changes are
now only effective after catching-up with their respective program parameters, avoiding abrupt jumps and keeping a safe and continuous behavior. Track/Height menu is now featured, giving access to Increase, Decrease or Reset the current track height. All changes to audio gain and panning on tracks and buses are now applied following a piece-
wise linear ramp, reducing the old nasty clicks, pops or zipper artifacts that might be awfully audible on some situations, most specially on automation. All zooming in/out is now relative to either the viewport center or current mouse cursor position if found laying inside. TYOQA! the underground sources have emerged:... after years in the making,
track automation, or dynamic curves as some like to call, is finally a reality, tricky but real;) Audio clip anti-glitch/ramp-smoothing effect is now slightly independent of current buffer-size period. Once buried under the Edit menu, Clip menu has been finally promoted to top main menu. Debugging stacktrace now applies to all working threads. Fixed
muted loop playback on audio clips ending coincidentally with the loop-turn/end point. Old/deprecated JACK port latency support added to audio recording latency compensation. Audio clip merge/export lock-ups now untangled. LV2 extension headers update. Fixed configure of newer LV2 host implementation stack (LILV) when older (SLV2) is not
present. 2011-05-26 - The Final Dudette qtractor-0.4.9.tar.gz Session file format saved on JACK session has been reverted to archive/zip bundle one (.qtz) now using temporary extraction directory when loading an existing JACK session. Main toolbar time and tempo widgets get their visual extents a bit more theme-friendlier;). Some current working
directory trickery is now in place avoiding JACK session directories to ever be picked as default, as much as possible. Ghost-playbacks are now avoided on audio clips that are artificially extended beyond their own audio file lengths. Recording clips now shown in a reddish shade; also, it's all now shown a bit more correctly, regarding the lead and
within looping range. Custom tempo spin-box widgets now honoring the decimal point cursor positioning for integral up/down tempo value stepping. Audio recording latency is now compensated via automatic clip offsetting. Audio peak file generation is now pipelined on a single unique thread, instead of old one per audio clip file basis. MIDI
tempo/time-signature map import problem has been hopefully fixed. Session and track names are now sanitized from slashes (bug# 625798@bugs.debian.org). Mouse wheel effect to sliders is now reversed. An appropriate export filename is now suggested as default (Track/export Tracks...). Follow-playhead automatism is now temporarily suspended
while mouse cursor hovering prompts for any editing action (applies to main track- view and MIDI clip editor/piano-roll). Audio vs. MIDI time drift correction now takes jack frame time() as audio time reference. Audio buffering internal synchronization logic gets it bartered: three bools for a single byte flag. Connections are now preserved as possible
when changing bus properties (View/Buses.../Update). A rare audio clip looping out-of-sync condition got squared, hopefully the last;) Yet again, the audio track. Not replacing a session directory that already exists on loading an archive file
(.qtz) is now fixed with an usable brand new untitled session. The major thread optimization has been slightly improved: the audio clip filename change fixup. Audio clip filename change segfault/crash fixed. Make sure all clips in multiple recording
tracks start and end at the very same position whenever recording is already engaged and rolling. Hopeful fix to a potential audio buffering race condition, which was a probable cause of random muted clips. Avoid recursive observer widget value updates. Almost complete rewrite of the main track-view selection and redrawing logic, taking advantages
of the fundamentally static graphical backstore. Autonomic resizing of mixer bus splitter sizes. Improved timing for monitored MIDI events being buffered though MIDI instrument plugins, while playback/transport is rolling. Audio peak/waveform is now slightly tweaked from the early optimization days (master C++ guru has always said that was root
of all evil anyway :). MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option. Also, new "Inputs" and "Outputs" buttons have been added as helpers for MIDI controller mapping now with "Invert" value option.
causing immediate crash, now fixed (give or take some event buffer stub). Plugin Activate All/Deactivate All/De
not being honored, now fixed. Force update/close of all MIDI clips and their respective editors (piano-roll) if open, when changing the global session tempo (BPM). Removed the misleading "(Any)" special channel value while on MIDI controllers/learn dialog. Floating tool-tips now being shown also while on mouse rubber-banding (drag-select). Audio
clip pitch-shifting change fixing; also, tooltips now showing semitones units instead of a clueless percentage. Rendering audio wave-forms while recording is now a little bit smoother than before. New main track-view clip selection tool: invert current selection tool tool.
(Edit/Select/Range). More eye-candy: muted/non-soloed tracks are now slightly shaded on the main track-view. A major hidden optimization has been implanted: all audio clip longer than 3 sec. which was quite wasteful and creepy;). All
plugin list view changes are now properly signaled to track properties and bus manager dialogs and enable their respective acceptance. Two brand new MIDI tols make their appearance: Scale-Quantize and Snap-to-Scale and View/Scale).
Mixer track strips are now completely redone whenever a track gets moved or re-ordered on main track list-view. Transport auto-backward option is now honored whenever a new session gets loaded. LV2 extension headers update. Got rid of recent QX11EmbedContainer bloating, while introducing gtk_init() as for LV2 GTK UI support stabilization.
Tempo tap helper button was added to View/Tempo Map... dialog. Executable DSSI plug-in GUI detection fixed. Backout default session (.qtz). Files widget item selection feedback/focus fix. MIDI editor anchor event floating tool-tip fix. Probable fix for GtkStyle usage detection (might be
gentoo specific). 2011-01-18 - The Fiery Demigoddess qtractor-0.4.8.tar.gz MIDI controller mapping/learn is now possible on all mixer controls (monitor, gain, panning, record, mute, solo). An internal rewrite (aka. refactoring) have been carried out, making sure that all track state action buttons (R, M, S) are now all under the observer pattern
umbrella. Single track range selection is now available on main menu (Edit/Select/Track Range; default keyboard shortcut: Ctrl+Shift+R); additionally to vertical range and horizontal track actions (Edit/Select/Range, Track) all these operations can now toggle over the previous selection. Direct clip selection from Files list item has been brute-
forcefully implemented (after being challenged by Jiri Prochaszka aka Anchakor:). Files tree widget sticky "New Group" item fixed. A new menu option has been added (View/Tool Tips) to show/hide a floating tool-tip while dragging, moving, resizing or pasting selected clips or events over the main tracks view and MIDI clip editor (piano-roll)
respectively, displaying current target position and status. Attempt to reset audio/MIDI time drift compensator on every engine start and loop turnaround. Moving the punch-out marker over the main track time ruler was failing to shrink the punch-in/out range, now it does (not). MIDI clip tools (quantize, transpose, normalize, randomize, resize
rescale and the new timeshift) are now all accessible from the main tracks view (Edit/Clip/Tools menu) and apply to all events on current selected clip(s). LV2 Persist extension support is being introduced. A new timeshift MIDI tool has been added, after an awesome patch by Jiri Prochaszka aka Anchakor; applies to selected events between edit
markers, distorting their time and duration (optionally), either slowing down and accelerating, based on a given parameter P value. Audio clip/buffer pitch-shifting fixes with regard to latency correction due on the RubberBand library one-pass (real-time) processing mode. New Send Gain and Dry/Wet control parameters have been implemented for
audio Inserts pseudo-plugins. MIDI channel/master volume enqueued events are now affected by the current track/bus volume (0-100%). Prevent old rounding error when resetting to plugin parameter default value with the mouse middle-button click while hovering a slider widget (observer). A quantize percentage has been added to MIDI clip editor
quantize tool (Tool/Quantize...) for time and duration quantization (0% for none; 100% for full regular quantization). Metronome bus/ports are now created at engine start and not when user switches it on anymore. Make sure all audio clip buffers are in sync upon smooth-ramping going off and playback is rolling. Copy-pasting across controller event
types is now possible on the MIDI clip editor (aka piano-roll). Finally indulged, the genuine transport stop button makes its appearance on main toolbar and menu. Main tracks grid visibility option (View/Snap/Grid). Yet another off-by-one (frame) audio buffer bug got squashed away: rare symptom was that some audio clips were being left dead silent
right after playback of their first looping period. Plugin parameter name/label now a proper attribute of its respective MIDI controller observer instance, allowing to be shown on dialog title (MIDI learn). Default session file format saved on JACK session demand is now the bundle archive/zip one (.qtz). Plugin selection dialog now shows whether a
plugin features its own editor (GUI) and/or external state configuration (EXT). Help/Shortcuts... window positioning and sizing are now preserved. All plugin chain changes over the track properties dialog now sure counts as a dirty action. Newly extracted archive/zip session directories are now removed automatically from the file-system on session
close, prompting the user for confirmation (cf. View/Options.../Display/Confirm Removals). Ctrl+mouse-wheel is now set for zooming in/out, on main track-view and all applicable MIDI clip editor views (piano-roll), according to current zoom mode (see View/Zoom Horizontal, Vertical or All for both ways simultaneously). New MIDI clip editor (piano-roll), according to current zoom mode (see View/Zoom Horizontal, Vertical or All for both ways simultaneously). New MIDI clip editor (piano-roll), according to current zoom mode (see View/Zoom Horizontal, Vertical or All for both ways simultaneously).
roll) mouse hovering effect (eye-candy++). After too many a user request, a brand new session archive file type is being introduced (.qtz) which tries to bundle in one single zip archive all the media and contents of a session. Add that to eye-candy:
clip editor (piano-roll) views. LV2 GTK UI plug-in hosting is now roaring its ugly head (EXPERIMENTAL). Ignore all initial and decremental notifications of audio buffer loop points were not being set properly for non-zero clip offsets, leaving some as severely out-of-sync while rolling over loop turns. Now
fixed again, hopefully. Avoid audio peak file clashing when deriving from audio sample files with distinct absolute paths but the very same file (base)name. A new MIDI editor (piano-roll) tool has been added: Rescale event times, durations and/or values by a percentage between 1 and 1000% (adapted thanks to patch by Jesse Lucas). Attempt to
mitigate audio clip sequencing glitches on single-core/single-thread machines. 2010-09-30 - The Furious Desertrix qtractor-0.4.7.tar.gz While moving multi-selected MIDI events around the clip editor (aka piano-roll), with help of keyboard arrow keys, that is, was not clear which one was the so-called "anchor" event, the one which positioning gets
honored for snap-to-beat business. Not anymore: the anchor event now defaults to the earliest in time or the one the user's last point(-click)ed. MIDI control observer pattern implementation has sneaked in, making it ready for the so-called and long-awaited "MIDI Learn" feature and arbitrary MIDI controller assignment, for plugin parameters in
particular. MMC DEFERRED PLAY doesn't cause transport state to stop if currently rolling. Audio clip merge processing might have been skipping a few initial frame blocks, now fixed again. New clip fade-in/out slopes (curves) are introduced,
partially adapted and refactored from those easing equations of Robert Penner's fame. Clip fade-in/out non-linear slopes are now shown as actual WYSIWYG curves. Escape key now closes generic plugin widgets as ever found usual elsewhere. Picking nits: unselect current track when clicking on any gray empty area, also accessible from a new menu
item: Track/Navigate/None. A nasty and deadly MIDI resolution overflow has been finally fixed, allowing for long MIDI sequences (1h+) to load correctly on 32bit machines from now on (was perfectly fine on 64bit though). MIDI editor selection hash optimization in face of reasonably huge event sequences. MIDI controller mapping finally refactored
to support some other MIDI event types than just CC (0xBn) ones. Nitpicking fix: corrected main track-list (left pane) display when no track is currently selected. libX11 is now being added explicitly to the build link phase, as seen necessary on some bleeding-edge distros eg. Fedora 13, Debian 6. New audio metronome bar and beat sample gain
options. Progressively, the observer pattern is being finally introduced, targeting all potentially automation controls and widgets as plain ground-zero for the (ultra-)long overdue automation feature. MIDI controller mapping of still non-existing tracks were being implicitly assigned to the last, highly numbered, existing track. Now fixed. Moving from
old deprecated Qt3'ish custom event post handling into regular asynchronous signal/slot strategy. Muting/soloing tracks while playback is looping was leaving current audio clip out-of-sync whenever that same track is later un-muted on any other preceding clip. Now hopefully fixed. MIDI Clock support makes its first appearance. All tempo (BPM)
calculations are now compliant to the MIDI conventional equivalence between beat and quarter note (1/4, crotchet) as common standard time division. Automatic audio time-stretch option is not enabled by default anymore. Standard warning Apply button is now only shown when dismissing dialog changes are actually valid. Make sure non-dedicated
metronome and player buses are properly reset and reopen when changing regular audio buses (hopefully, an outrageously old bug got squashed away, which was causing random impromptu crashes, most often when importing audio clips while looping and play-head is any near the loop end
point. General standard dialog buttons layout is now in place. Fixed main track view off-limits play-head positioning. Main tool-bar Time and Tempo spin-boxes, may now have their colors correct, as for most non-Qt based theme engines (ie. Gnome). Green text on black background has been and still is the the intended aspect design;) MIDI file import
and internal sequence representation has been changed to be inclusive on all bank-select (CC#0,32) and program-change events which were previously discarded while honoring MIDI track properties. Interleaved SysEx setup
Attempt to include the VeSTige header by default, as for minimal VST plugin support. JACK transport support has been slightly rewritten, in fact the sync callback is now in effect for repositioning. The MIDI clip editor (piano roll) widget won't be flagged as a tool window anymore. A tempo adjustment tool is making inroads from the menu, as
Edit/Clip/Tempo... (factory shortcut: F7). Audio tracks auto-monitoring is now effective on playback. Make sure to ask whether a dirty MIDI clip should be saved, upon resizing or stretching its edges. Backward and Forward transport commands are now taking additional stops on loop points. Attempt to optimize tracks solo/mute redundant transactions.
in special regard to MIDI track events which were being duplicated on soloing and temporarily muted on unsoloing. 2010-05-21 - The Funky Deviless qtractor-0.4.6.tar.gz Introducing a non-painting edit sub-mode on the MIDI clip editor (aka piano-roll) is now a lot more quiet
about saving its own dirty content, delegating all salvage questions to main session control. Don't show session restart message box when changing JACK transport mode option anymore. Dedicated MIDI control bus switching fixed. Was closing the wrong bus eventually and crashing the whole show with it. MIDI bank/program backout has been
corrected on MIDI track properties dialog rejection (ie. user cancellation). MIDI bank select method has been corrected for tracks with no instrument defined. LV2 UI Instance and Data Access extension support added; reduce LV2 external UI parameter value update flickering. JACK session infrastructure support. (EXPERIMENTAL) Initial widget
geometry and visibility persistence logic has been slightly revised as much to avoid crash failures due to wrong main widget extents are now set reasonably larger. General source tree layout and build configuration change. Ever since smooth-ramping introduction that having at least one input-only buses were causing
immediate playback crashes, now hopefully fixed. Refactored for common engine client nomenclature, primarily provided by JACK, then secondarily passed to ALSA Sequencer, getting rid of the JackUseExactName requirement and lifting the unique/single instance restriction in the process. Current JACK Transport, MMC Device, and MIDI Song
Position pointer (SPP) control modes are now saved/loaded as part of session option properties. MIDI clip editor's context menu crash on Qt >= 4.6 has been fixed. An ancient double-free corruption has been fixed at the audio/MIDI bus connection persistence logic. Improved visibility of track state buttons text (R, M, S) when turned on dark
colored themes. LV2 Save/Restore extension support kicks off. MIDI engine read-ahead period has been shortened to half than it was since inception--now it's a 500msec cycle. MIDI clip editor event list gets its due inline editing, for time, note, value/velocity and duration columns, just one double-click away over the target cell;) Add-plugin selection
dialog position and extent are now remembered across invocations and application sessions (tipping by Frank Neumann). MIDI clip time-stretching is now made available through the same gestures as audio ones, by just shift+dragging either of the clip edges. Drag-and-copying plug-in instances (cloning) is now fixed with regard to parameter value
replication. MIDI clip editor snap-per-beat setting is now independent from main multi-track view; File/Save As... dialog fixed; the current event selection is now kept floating as long as it's possible after editing command actions; finally, edit mode has been extended to free-hand event drawing, chalking off (piano roll) draw mode from the TODO list.
Swing-quantize has finally made its overdue debut as an additional MIDI clip editor tool (see Tools/Quantize...). Almost since its inception, audio inserts were injecting garbage random noise when not being activated, now fixed. Dedicated audio output ports for MIDI track plugins, now have their connection persistence back in business due on session
load. 2010-01-23 - A Friskier Demivierge;) gtractor-0.4.5.tar.gz Changing loop points while playback is rolling, with the very same onset time, now fixed. When failing to detect a SSE enabled build, the CFLAGS variables are now.
output control ports, a host feedback/update process cycle is now being finally provided: all output control ports are now marshaled to their respective GUI process, rather often and when found open/visible. MIDI clip editor (aka piano-roll) snap-to-beat behavior on edit mode is now kind of more like 'filling-in-the-blanks' (as Frank Neumann et al.
wishes ;) Fixed MIDI clip editor mistake when reverting to initial clip length, before closing and discard changes (thanks to Frank Neumann, for spotting this one). LADISH Level 1 support has been added: SIGUSR1 signal trap just makes it a shortcut to File/Save. Avoid parameter value flickering, due to duplicate command invocation, most eviden
when changing values massively on native Linux VSTi plugin editor GUIs (thanks to a detailed report on this odd behavior, from Mike of linuxDSP.co.uk). Another TODO item bites the dust: MIDI event list editor, now accessible from the MIDI clip editor menu (View/Events) Last used session directory is now made current on startup only when no
filename is given on the command line. Current snap-to-beat setting (time quantization) now affects the anchor event only, while dragging, moving and/or pasting multiple events over the MIDI clip editor (aka piano-roll). Make anti-glitch audio clip micro fade-in/outs independent from current buffer size as much as possible. Audio/MIDI engine drift
correction gets really sophisticated, with the help of (now old) ALSA MIDI tempo skew facility. Edit/Clip/Import... menu option is now available for expedite clip insertion from audio and MIDI file requesters. Set default session directory effective to file's location. Audio track/clip recording process has been target to special refactorization across the
internal audio engine process cycle, in a late attempt to get self-bounce/recording effective and working consistently for all track layouts. All session related dialogs are now set to window modality, (were set to default application modality before) allowing for continued input focus and interaction on all plugin/tool windows. An off-by-one nasty old bug
fixed in audio clip drawing, was causing instant crashes on certain zoom levels of the main track view. Graphical MIDI clip representation; only some and the most basic
LV2 plug-in features are supported at the moment; probably there's no big advantage against the old LADSPA ones; there's some support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also, LV2 MIDI/Event bare-bones support for external UIs though; also described by the external UIs though the external UIs though the ex
LV2 spec. for that matter;) Connections filter is now reset when widget is shown through the View/Connections main menu or toolbar button. Audio bus auto-connection state is now explicitly saved/committed to disk whenever View/Options..
dialog changes are applied or when a session is loaded or saved. Audio ramping spin-locking makes its smooth stuff, in an attempt to reduce glitching and crackling when editing (due to its own pseudo spin-locking) and toggling playback states. JACK Transport, MMC Device, and MIDI Song Position pointer (SPP) control modes are now made optional
(View/Options...), allowing for discretionary configuration: None/Disabled, Slave/Input, Master/Output or Full/Duplex (default). Session files may now be dragged and dropped over the main track view and get loaded for business as usual (once quietly ignored). In an attempt to mitigate potential stack corruption and sudden crashes, old commented
out session pseudo-locks are now back in business while executing clip editing commands (cut, paste, drag, move, insert, delete) and playback is currently rolling. Adjusted first-time application window size to fit into 800x600 screen size and with reasonable initial dockables layout. Avoid duplicate snap-to-grid effect when changing the length of MIDI
clip editor events across non-zero clip offsets (after a glitch reported by Ralf Mardorf). Late audio track is muted, either explicitly (ie. other track is in solo state). Entering System Exclusive events (SysEx) on the MIDI clip editor (aka
matrix/piano-roll widget), yet something not fully supported anyway, even though allowed in edit mode, doesn't crash the whole damn thing anymore, while saving the clip to a file. Strict aliasing avoidance, with plain and demanded use of 'union', as much as to stop nagging warnings from gcc >= 4.4.1 (last seen on src/qtractorMidiEvent.h hackery).
Visual correct play-head position while changing zoom levels, applicable to both main track and MIDI clip editor views. 2009-10-05 - The Fussy Doula. qtractor-0.4.3.tar.gz External preset files are not removed nor deleted from the file-system anymore. Connections support for UTF-8 encoded client/port names. Force track and clip properties dialog
widget to be modal as it should from their beginning dawn. Audio effect send/return aux. inserts are implemented as special pseudo-plugins (Plugins/Inserts). Reset play-head position on auto-backward and keep playback rolling when continue past end transport option is not set. MIDI clip editor (aka piano-roll/matrix aditor) gets better on the virtual
piano keyboard eye-candy side of things ;). Plugins are now also referenced by label, avoiding plugin index clash/misses eg. when plugin object file/path changes or is moved externally. Keyboard focus is now cleared/reset from the main toolbar time and tempo spin-boxes when editing gets finished (eg. Enter key is pressed). First audio metronome
beat/bar now played back correctly. Client to/from port (dis)connections now found consistent as good ol'QjackCtl behavior. All dirty open MIDI clip editors are now prompted to save before the main application closes. Mixer level meters get their long deserved gradient look. Fixed any ghost clip selections that were haunting the main track view,
specially after undo/redo. Increased tolerance on reading corrupt MIDI System Exclusive (SysEx) event strings may now be freely assigned to MIDI output buses only, allowing for proper setup of external outboard MIDI equipment. Each
bus may have an unlimited SysEx queue that gets sent out on every connection change (see View/Buses.../MIDI). More legacy headers, stdio.h and stdlib.h, are yet again necessary to build with gcc/g++ >= 4.4 (as patch noted by Alexis
Ballier on Gentoo bug report #274168, thanks). Bus manager dialog (View/Buses...) gets new columns on the left pane buses list as for displaying beat snap/grid lines on MIDI clip editor, incidental to clips located at absolute zero time. Overlapped
MIDI clips were rendering garbled note events to DSSI/VSTi plugins, now fixed. New MIDI Playback/Queue timer (resolution) option is now available (see View/Options.../MIDI). MIDI instrument definitions may now be imported from plain SoundFont files. 2009-06-04 - The Flaunty Demoness. qtractor-0.4.2.tar.gz The MIDI clip editor (piano-
roll/matrix editor), the main track view as well, have been subject to usability fixing, the most notable avoids clearing current selection anymore). MIDI tracks channel bank/program and controller stuff are now only issued when the respective as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset current selection as much as possible when updating view contents (eg. changing zoom levels does not reset c
bus connections have changed, seldom on every playback start. MIDI controllers mapping infrastructure, with file based configuration management (see View/Controllers...), is now in place, following an original contribution from gizzmo aka Mathias Krause. Plugin chain buffer reset on playback start/stop is not guarded by a momentary plugin
de/activation anymore. Clip export may now be applied to multiple clips, sharing common refactored code and same semantics as merging of current selected clips. Improved, may be just fixed yet again, audio tracks (see Edit/Clip/Merge...). Improved, or
better said, fixed (again) the precision of multi-clip final positioning as result of drag/move and paste operations in main track view. MIDI track dialog drop-down list. MIDI editor snap grid lines get slight different color then regular beat
divisions. Reset local tempo map cursor on newer MIDI file imports in a tentative to fix incidental but random crashes. 2009-04-04 - The Funky Dominatrix. qtractor-0.4.1.tar.gz MIDI editor (aka. piano-roll/matrix editor)
sees one of its most wanted features introduced: visual snap grid, now accessible through View/Snap/Grid option toggle. Actual non-zero session length gets back to status bar of main application window. One potential buffer-overflow/memory-corruption crash bug has been fixed, long due on most audio (down) sample-rate conversions and affecting
audio export in particular. MIDI track/channel patch information, ie. bank-select and program-change events, are now being properly set on MIDI track/clip export. SSE optimization is back in town after being mysteriously disabled since its dawn:/ Looping and punch-recording now actively mutual exclusive states: setting either one unsets the other
off and vice- versa. Also, punch-in/out is now made an undoable command. Moving tracks, any track, up or down, were leaving MIDI playback and meter monitoring completely out-of-sync, now fixed. Automatic crash-dump reports, debugger stack-traces (gdb), back-traces, whatever, are being introduced as a brand new configure option (-enable-
stacktrace) and default enabled on debug build targets (-enable-debug). Audio/MIDI drift correction is now progressive, taking a least significant differential approach, on every read- ahead cycle and Swallowed on loop turn-arounds, as before. Improved Edit/Clip/Normalize and Quantize commands, now affecting the whole extended multi-clip
selection. Playback is now being temporarily suspended while either transport rewind or fast-forward rolling is engaged. A bad and shame-on-me bug was fixed: this was hideously affecting any track/clip playback synchronization, most noticeable after toggling solo/mute track states while playback is rolling and skipping the play-head backward over
more than one clip under the same track. A floating-rectangle flip that showed while dragging new files beyond the left of main track view is now gone. MIDI note event truncation on both track and clip export has been fixed. 2009-03-13 - The Foxy Dryad. qtractor-0.4.0.tar.gz MIDI (re)connections fix; now caring for the ALSA client and port textual
names only, avoiding as much as possible, any reliance on those volatile client and port numbers. Transport/Backward and Forward commands may now reset to immediate full start or end of session locations, by just pressing the Shift or Ctrl keyboard modifiers and clicking their respective toolbar buttons. Default session/MIDI resolution has been
set to 960 ticks per beat (960 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note); it is worth of note that the previous default resolution was set to one order of magnitude lower, ie. 96 TPQN, where a beat equals a quarter-note is a constant.
rolling tempo/time-siganture changes. MIDI monitor refresh-cycle slight internal optimization. Converted obsolete QMessageBox forms to standard buttons. Transport/Rewind and Fast-forward commands may now be set to double-speed, by pressing the Shift or Ctrl modifiers while clicking their respective tool buttons. MIDI clip editor zoom ratios are
now saved and preserved across sessions. Time-signature is now directly accessible from the main tempo spin-box which also reflects current tempo status. Time/frame spin-boxes now allow to step change each field individually, depending on the cursor beam position. Make sure that Transport/Follow playhead option is only effective when playback
is actually rolling. Primordial attempt to include MIDI Song Position Pointer (SPP), Song Start, Stop and Continue sequencing support. A completely new time-scale infrastructure is now in place, with full support for session tempo and time-signature map; this long due feature is primarily accessible through the main menu, View/Tempo Map...; also by
double-clicking on the the main window and MIDI clip editor time rulers and left-clicking on the main toolbar tempo/signature spin-box. Moving and resizing individual clips now cares for track proper ordering and overlapping changes, avoiding nasty out of sequence clips and other unpredictable effects. An expedite MIDI clip editor time rulers and left-clicking on the main toolbar tempo/signature spin-box.
now available from the main track view menu (Edit/Clip/Quantize), which simply applies the current snap-to-beat setting to a MIDI clip range selection. Fixed that hideous bug affecting overlapped audio clips when playhead gets moved backward, causing the playback of those audio clips in particular, go out of sync. Tracks are now limited to their
minimum height, specially effective in face of vertical zooming. Zoom mode option introduced (on menu View/Zoom/Horizontal, Vertical, All). Tempo beat type is a new session property; however it is not yet user modifiable and currently disabled to default MIDI quarter note (1/4). All open MIDI clip editor time-scales are now updated and corrected
when the main session time base changes (tempo, time-signature, resolution, etc.) MIDI metronome fixed, preventing duplicate click events. MP3 audio file decoding was broken for way too long and falling short for every file with custom frames, ID3 tags and comments. Got shamefully fixed. Time signature denominator (ie. beat divisor) is now an
accessible and effective session property. Attempt to retain original size (clip length) of all audio clips when changing the global session tempo and automatic time-stretching is not an option. 2008-12-25 - The Fluffy Doll. qtractor-0.3.0.tar.gz (user manual) Almost complete rewrite of the plugin configuration and parameter initialization logic. MIDI
bank/program selection is now taken into account on plugins initialization and replication. Fixed initial parameter values for native VST plugins. Track form plugin lists are now properly (re)initialized when track type changes. Generic plugins forms now have the option to show/hide the parameter widgets through the new "Params" button. New auto-
monitor toggle option (menu Track/Auto Monitor): the current selected track is now set on monitor and MIDI clip editor Tools menu is not disabled anymore when there's no selection, drop-down menu items are instead. Make all recorded clips to
honor either the punch-out or play-head accumulated position; resolve all pending MIDI sequence note events on record stop/close. Major silent move: audio plugins chain are now applied in a pre-fader/meter basis as is usually implied from the mixer strip layout ie. signal flows from the top to the bottom. All MIDI buses may now have plugins inserted
so that multi-timbral synth/sampler plugins get driven to their fullness. MIDI track plugin's dedicated audio output bus may now be effective, as it seems, good old master audio output bus was being used, no matter what. Paste-repeat command has been introduced, now allowing to replicate and concatenate the clipboard contents over the time-line,
with a given repeat-count and optional period (see menu Edit/Paste Repeat... on the main and MIDI clip editor windows). Normalize tool on MIDI clip editor got rewritten from its previous brain-dead, useless and utterly wrong operation. All time offsets and lengths are now zero-bar/beat based when displayed in the BBT (bar.beat.ticks) format. MMC
STEP gets adjusted to current snap-per-beat setting. Fixed broken initial buffering that was randomly crippling those audio clips that fit integrally in cached and while on playback. Fix initialization of multiple instances of DSSI plugins which implement run_multiple_synths (eg. fluidsynth-dssi), preventing an instant crash on activation. Exclude
deprecated VST elements from compilation. Export tracks dialog has new punch in/out range option. Somehow realized that looping and punch-recording (ie. takes) gets real. Fixed crash on tempo change; affecting the WSOLA based time-stretching on all non-stereo audio clips.
Incomplete audio peaks were being cached prematurely, fixed. Make way for paste/dropping items from the system clipboard over the main track view. Cut/Copy/Paste/Delete of file items have now this workaround fixed, wrt. Files widget keyboard shortcuts, respectively. Clip gain/volume propriety is now in place and reflected in audio clip waveform
drawing in particular. A new hideous progress bar is now lurking in the main status line, as found convenient to display progress of the also new clip tools (normalize, export, etc.). Clip normalize tool is now available (Edit/Clip/Export...). Punch in/out (range) recording
is now in experimental shape, with minimal settings and functionality, already accessible through the main menus, transport toolbars and visible on main tracks view and MIDI editors as magenta colored line markers. External MIDI control events for channel volume (7) and channel panning (10) are now handled properly through session tracks.
Session file templates make its debut with new usability option, on whether new sessions are created based on existing template file (see View/Options.../Display/Session/New session templates are just regular session files but loaded and saved with no media content (no clips nor files). Grayed/disabled palette color group fix for
dark color themes. Implicit attempt to flush all pending notes for some, if not most plugin instruments (eg. VSTi), on playback stop. Fait-divers: desktop menu file touched to openSUSE conventions. Internal refactoring alert: Session and Options instances are now being redesigned as singletons, preparing to get out of the way from the master
GUI/MainForm instance. Clip drawing methods refactored so let the fade-in/out handles get seen with transparency over the clip graphics content. Reset and continue looping even still when continue past end transport option is not set and playback is rolling. 2008-10-05 - The Flirty Ditz. qtractor-0.2.2.tar.gz (user manual) Slight optimization in audio
and MIDI meters refresh rate. Another ancient bug has been squashed: MIDI events were being recorded due to an absent started queue. Major fix applied to audio track monitor metering, and most importantly to plugin processing, correcting tentatively all audio buffer
offsetting and slicing due on loop turnarounds. Fixed a potential crash and/or simple record dismissal when changing properties of a track already armed for removal. Lighten up the connections line and highlight colors, as seen to fit best on some darker background themes. Several icons
refined with slight transparent shadowing. Send/reset all MIDI buses and track-view and MIDI clip editor; resizing multiple events at
once doesn't need help from Shift or Ctrl modifiers anymore. DSSI and VSTi plugins get all their default parameters values reset on MIDI program change. Several major fixes have been applied to the MIDI clip editor, regarding snap precision and correctness, most specially due on clips which weren't located on exact bar boundaries. Brand new
usability feature introduced: mute, solo and monitor toggling may now be applied to all tracks in session at once, when issued with either the Shift or Ctrl keyboard modifiers, which will set or reverse respectively all other tracks state. Audio buses plugin chain may be also accessed and edited from the extended bus management dialog
(View/Buses...). MIDI meter level default color is now set distinct from the old lime-green one as in audio level meters. MIDI clip editor is now a genuine top-level window, fixing all keyboard shortcut ambiguities with main application window. Mixer splitter panes are now collapsible and optionally hidden. Make MIDI instrument patch management application window.
little more sane, as for preventing the accidental insertion of blank instrument names and automatic default bank/program selection in track properties. All connections are now based exclusively on the textual client and port names, effective in particular to match MIDI bus ports with disregard to their volatile numerical identification. MIDI file (SMF)
header endianess fix (PPC users rejoyce:)) Record armed tracks aren't muted for playback anymore, as this was a severe crippling nuisance regarding input monitoring and all mighty user experience after recording a simple take; for instance, as the bottom line goes, there's no need to un-arm a track from its record-enabled state anymore, for just
recorded material get heard on immediate playback; kick on the jam! Playhead position overflow fixed on negative MMC STEP commands. Thumb-view width proportions now based on minimal slack session length instead of the auto-extending track-view contents width. Optimize audio clip drawing, most specially on zoomed-out levels. Bring theat of the auto-extending track-view contents width.
audio peak frames into some sort of cache, preventing recurrent peak frame buffer reallocation and trashing. 2008-08-30 - The Fainty Diva. qtractor-0.2.1.tar.gz Gradient eye-candy now featured for clips, tracks and mixer strips widget backgrounds, disabled on configure time (--disable-gradient). MIDI pitch-bend/wheel events are now
captured/recorded properly; in fact, there was this ancient bug, now squashed, as all MIDI clips weren't a single note event captured. MIDI open files dialog gets a few more file filter types now
Playhead position is now shown, updated and can be also set on the main toolbar session thumb-view (shift-click to set the playhead). The floating selection, as shown for a clipboard pasting operation, has been corrected regarding time scale (horizontal zoom) changes, while in the main track-view. Also fixed final position snapping precision. Current
tempo and snap-per-beat setting now survive session cycling. DSSI plugins implementing run_multiple_synths (eg. fluidsynth-dssi) are now formally supported according to the DSSI spec (hopefully); note that previously one could only have one DSSI plugin instance loaded in session in any given time, otherwise a sudden crash was in sure demand
when either plugin got activated. Audio plugin outputs now overrides each other when the number of mix-down audio channels and thus fixing a nasty crash bug in the process. All custom font sizes are now set relative to default global font. Changing loop points by dragging on the time rulers is now mapped
as undoable/redoable commands as it ought to be ever since. Drop-span option (View/Options.../Drop multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into the same track) now takes into effect the current session snap-per-beat setting when concatenating multiple audio files into effect the current session snap-per-beat sessi
playback, a needed regression to let both audio and MIDI tracks behave consistently regarding input monitor switching through output. Fixed a pretty old and shameless bug regarding MIDI clip recording, in which cases the queue start time offset was not taken into account, with captured events being recorded with erratic long delays. Almost
complete refactoring of the clumsy audio peak file classes, possibly making it even clumsier but straight neverthless, with the noble and final aim to build it in-flight and draw the waveforms while recording is rolling. Recording clips get their initial name labels drawn while fade-in/out handles are dropped as found pretty useless while recording.
Escape key now closes connections and mixer widgets as found usual. 2008-07-18 - The Frolic Demoiselle. qtractor-0.2.0.tar.gz MIDI clip filename revision logic is now introduced, thus avoiding the proliferation of several numbered SMF's on each edit/save; some lurking bugs were exposed in the MIDI clip externalization method but promptly
squashed. Fixed a mouse release event glitch while in drag-and-drop items in the Files tree list widget. A dummy plugin type option has been devised, just to bear with some troubled behavior of the lovely JUCETICE plugins (View/Options.../ Plugins/Experimental/Dummy VST plugin scan). Bad news are that all, yes all as in every native VST plugins
are indistinguishable from being just pure audio effects, either mono or stereo, whatever, and thus all being considered full-blown stereo VSTi instruments (which are the vast mainstream and rather interesting majority, nevertheless:). The plugin selection dialog (Add Plugin...) now features the option whether the selected plugins should be activated
on insert. Mixer strip titles now have distinguishable type icons, either for audio or MIDI, and shown on all buses and track strips. Major optimization breakthrough: muted audio tracks aren't streamed any longer, saving precious CPU cycles from decoding, resampling, pitch-shifting, time-stretching, plugin effects, whatever. Incredible as it might be
audio/MIDI track record monitoring is now mixed (or merged) with rolling playback content, thus not as mutually exclusive between record and playback states anymore; also, track mute/solo states doesn't apply to recording material anymore. Main form timer slot gets corrected and now independent of current process buffer-size in regard to JACK
transport synchronization. All file references in session state file are now stored as relative paths to main session directory. DSSI/VSTi plugin presets can now be explicitly recalled from file (ie. Open/load preset) through this new tool button whether visible while in the generic plugin form. Due to some trouble with newer Qt >= 4.4 applications
regarding font size configuration, a new global user option is now available to the rescue: View/Options... /Display/Base font size (default is no-op). Logarithmic scale is now taken into effect by control parameter sliders, in the generic plugin editor dialog as provided by LADSPA and DSSI plugin types. MIDI track bank/program does not default to zero
(PC#0) anymore. Second attempt for Qt4.4 build support, regarding the bundled atomic primitives, now corrected and way more seriously:). Long due DSSI/VSTi plugin host implementation and VSTi is already kicking as well. DSSI/VSTi plugin
 presets may now be stored to external XML files, which should include all parameter values and configuration data chunks, taken as proper state snapshot and subject for recall. Dedicated audio output bus option is now also accessible for all MIDI instrument plugins, either set globally as a default mode in View/Options.../Plugins/Instruments or in the
plugin context menu for MIDI tracks, as an undoable command. Fixed a potential crash-exception due to freeing a null-pointer, raised on some ever stringent platforms and while adding tracks to empty sessions, which is the same to say this was crashing more than always:). Loop turn-around is now taken care of, as this has been found missing and
causing noticeable gapping when un-muting or changing MIDI track events while in playback. An off-by-one bug was fixed while inside MIDI cursor backward seek method, which was missing all other events that have the same exact onset timing. Attempt to load Qt's own translation support and get rid of the ever warning startup message, unless
built in debug mode. (transaction by Guido Scholz, while on qsynth-devel, thanks). Only one application instance is detected, which will see its main widget shown up automatically (Qt/X11 platform only). Clip fades have now a
slight transparency. Avoid loop read-ahead on initial audio clip loading. Messages file logging makes its first long overdue appearance, with user configurable settings in View/Options.../Logging; options dialog was slightly rearranged and moved the Plugins section into a new tab page. Audio/MIDI drifting correction was missing its own correct and
due (re)initialization whenever playback is (re)started; also, MIDI metering synchronization has been fixed once again. Fixed session cursor backward seeking, specially applicable when playback passes the end of overlapped clips. Fixed potential crash when opening bogus audio files. Time-stretch FIFO buffer implementation is now made generic, as
template, fixing a destructor memory leak in the process. Include legacy headers, stdlib.h and string.h, where necessary to build with stricter gc/g++>=4.3.2008-05-02. The Frugal Damsel. gtractor-0.1.3.tar.gz (user manual) As one may find convenient sometimes, the global time display format (frames, time or BBT) may now be changed on the
main transport time spin-box context menu. Left-clicking on the track list number column now toggles all track content clip selection. Prevent audio-buffer initialization mashups when editing short audio clips while playback is rolling and within clip region. Audio peak files gets a bit simplified, dropping the peak frame count from its header; peak
waveform graphics are now rendered as straight lines when over the end of audio file. The drop-span option (View/Options.../Drop multiple audio files into one and the same new track. Audio and MIDI meter level colors
are now user configurable (as global configuration options, View/Options.../Display/Meters) First attempt for Qt4.4 build support, regarding the bundled atomic primitives, which have changed upstream as advertised (thanks to Paul Thomas, for spotting this one first time). Record monitor switch is now an accessible button option on all track mixer
strips; for visual consistency, the old bus "thru" switch button has been renamed to "monitor". Force track-view position reset to origin on session close. Fixed segfault on inserting an external file into files widget. Mixer splitter sizes are now better saved/restored when closed. Track record monitoring is now a state option, being toggled from the
Track/State/Monitor menu; applies both to audio end MIDI tracks: when set all input will be pass-through to the current assigned output bus, including track plug-ins chain. Session dialog gets split in its own tab components, between descriptive, time and view configuration ones. Drifting correction among audio and MIDI engines is now back, but
avoided while recording or should it be while looping? (EXPERIMENTAL REGRESSION) Time-stretching percent value gets its semantics inverted, as thought consistent with ones general sense for relative stretching ie., lower to shrink and higher to make longer, this is a major up-side-down change and should affect all sessions saved with time-
stretched audio clips. Slack space in main tracks and MIDI clip editor views are now proportional to viewport width, leaving enough room for drag and moving content past the current session length, specially at the lower zoom levels. Clip end time is now also shown on tool-tip. When armed for recording, MIDI tracks are now monitored and filtered
through their own output bus, thus having the same behavior as audio tracks; this also implies that all record armed tracks won't playback their current content material when recording is engaged and rolling; track mute and solo states are now honored on record monitoring. Audio clip pitch-shifting makes its first appearance, with the optional help
from Chris Cannam's RubberBand library. A new MIDI editor tool is available: note/pitch randomize. Avoid (re)setting the default session directory if a session cannot be open or loaded for some reason. Another nastiness bites the dust: a subtle but progressive drifting has been swept away from the audio buffer looping; zero buffer flushing is now also
taken into account, which was the cause for serious drifting on time-stretched clips. A major digital audio processing bug was tamed: audio clip fade-in/outs are now linearly piece-wise applied, even at the clip edges, giving a much smoother rendering and thus mitigating the nasty click-and-pop artifacts that were in fact due to some early design
optimization with a poor and sloppy implementation. 2008-03-23 - The Frantic Dame, qtractor-0.1.2.tar.gz (user manual) Session length fixed (yet again) while extend recording; also improved follow-playhead switching while playback/recording; also improved follow-playhead switching while playback/recording.
been improved while on configure; additionally, IEEE 32bit float specific optimizations have also sneaked in. SSE optimization is now featured over all audio monitoring, and mix-down. Fixed MIDI clip move into new track,
preserving the original channel, bank and program whenever possible. Fixed session cursor seeking, specially regarding overlapped clips, once gain. The MIDI editor gets new menu access to current MIDI clip track/Inputs, Outputs, Properties); selection of MIDI events has also been improved, specially regarding overlapped note
events. Clip split command enters the stage (see Edit/Clip/Split) about splitting the current (selected) clip at the current playhead position (red cursor line). Creating new clips from scratch is now finally permitted (see Edit/Clip/New...); additionally, the clip properties dialog is now also allowing for changing the filename (and track/channel as special
to MIDI clips). Record armed tracks are now properly monitored and fed through their own output audio bus on mix-down, which includes plug-in preset values are now being restored properly; individual parameter changes are now being queued for the also convenient
undo/redo command pattern. Some audio clip buffer-sync tweaks have sneaked in, improving and fixing the rendering of full-overlapped, integrally cached and/or offset clips altogether. Stuffed one primordial shot on XInitThreads() at the main head, and let native VST plug-ins start behaving as they should, or not; this might be in fact problematic and
dangerous for people who won't ever try the JUCE based plugins as from JUCETICE (, due to some broken locking mechanism in xcb; thanks anyway to mighty kRAkEn/gORe@JUCETICE for this precious hint and from who knows best. True deterministic session length update has due fixed. Track menu has new accessible actions: Track/Inputs - show
current track input bus connections; Track/State/Novigate/First - make current track; Track/State/Novigate/First - make current track/State/Novigate/First - make current track/State/Fi
Track/Navigate/Next - make current track to bottom; Track/Move/Down - move current track to bottom; Track/Move/Down - move current track to bottom; View menus have new accessible actions: View/Zoom/In-
horizontal and vertical zoom-in (Ctrl +); View/Zoom/Out - horizontal and vertical zoom-out (Ctrl -); View/Zoom/Reset - reset both zoom levels to default; View/Zoom/Reset - reset both zoom lev
qtractor-0.1.1.tar.gz (user manual) After some great user demand, keyboard shortcuts are finally configurable, as found provisionally under Help/Shortcuts..., for the main application menu and for the MIDI editor as well. Debian package gets SSE optimization disabled as default. At least some transport actions get to be non auto-repeatable when
pressed for much too long, as Play and Record, avoiding the tumbling imposed from the keyboard. For the first time ever, jackd auto-start is now allowed (!). OSC service support through liblo gets optional at configure time, now leading the way to proper DSSI plug-in hosting. All plug-in widget controls count are now capped to one hundred. Plugin
paths setup is now made available on the options dialog, overriding each of respective default settings, as implicit from the LADSPA PATH, DSSI PATH and VST PATH environment variables (see View/Options.../Display/Plugin Paths).
resizes). Automatic time-stretching for all audio clips when session tempo changes, may now be disabled/enabled as a global session option (see View/Options.../Audio/Playback/Automatic time-stretching). Double-clicking on an empty area (de)selects all clips on track. MIDI capture (record) quantization is now an option, possibly handy for some jerky
performance musicians, as the one found in myself;) (see View/Options.../MIDI/Capture/Quantize). The global options dialog (View/Options...) has seen its Display tab page being moved back and to the right. Major rewrite of the plug-in infrastructure, adding primordial support for DSSI and native VST plug-in flavors. Drag-and-drop of plug-in
instances are now allowed intra- and inter-mixer strip chains, either on tracks or buses. Turning track recording is rolling was leaving the session in a inconsistent recording status, now fixed. A random but instant crash upon audition/pre-listening player onset was hopefully fixed. 2008-01-05 - The Frivolous Debutante. gtractor-
0.1.0.tar.gz (whitepaper) Audio clip time-stretching makes its debut, with code adapted and refactored from the SoundTouch library, under the (L)GPL umbrella. New "Options.../Audio/Playback/Quick seek time-stretching" global option, providing a quick seek mode (hierarchical search) while doing all audio buffer time-stretching. Changing session
tempo will automatically apply the corresponding time-stretch property setting. Tempo changes are now affecting clip offsets correctly, keeping the clip offset constant in time units (ticks), as are clip start and length properties already. Mixer splitter sizes are
now properly saved/restored when hidden. Extended multi-selection is now featured on the files widget; all drag and drop functionality has been almost completely rewritten. SSE optimization is now enabled where available (via configure). Options for having separate dedicated ports for the audition/pre- listening player output, audio metronome
output, MIDI control input/output and MIDI metronome output, are now in place. A brand new subtle option sneaks in, affecting the drag-and-drop of the main track-view: View/Options.../Drop multiple audio files into the same track, whether to drop multiple external files into new or existing track as concatenated audio clips. The audio metronome
makes its debut as an alternative to the MIDI existing one; parameters include bar and beat audio sample files, accessible from the View/Options.../Audio/Metronome dialog. Files widget action refactorization; the files context menu gets its due item icons and a new menu item for direct audio player accessibility. MIDI time resolution changes (ppgn,
ticks per beat) now tries to keep all session MIDI clip times unchanged as far as possible. MIDI channel volume and panning control change events, CC#7 and CC#10 respectively, are now rendered unfiltered on playback. First rendition of the long due implementation of an audition or pre-listening audio player is now in place; the files window got
this new play/stop control button on its lower-right corner. Actual instrument definition note (keys) and controller names are now in effect on the MIDI editor, whenever applicable. Fixed instrument bank selection method, "Bank MSB" (2), which was broken enough to never send the correct bank number. Mouse-wheel horizontal scrolling is now
accessible on every view, while pressing a modifier key (Shift or Ctrl). New auto-backward transport option: when enabled the playhead will be reset backward automatically whenever transport stops playing. A suicide-crash has been fixed while invoking the bus dialog from the respective mixer bus strip context menu. Master (default) buses are
always set to Duplex mode, being now an enforced update policy while on the Buses dialog. A stupid lockup bug (infinite loop) was spotted on the track bus assignment method and squashed (thanks, lexidge). New keyboard shortcuts for toggling the Connections tool (F8) and the mighty Mixer tool (F9) windows. Avoid showing a context menu while
right-clicking on time rulers. Audio clip waveform drawing gets additional closing points. It is now possible to change the length/size of a clip by dragging its left or right edges, while in the main track-view. Shift+drag will also time-stretch to the resulting audio clip length. Another off-by-one mistake was corrected, which was causing audio clips to go
out-of-sync on loop turnover boundary; also changed the loop turnaround strategy, now honoring already cached periods. A race-condition has been mitigated in the audio-buffer thread, that was exposed and lead to sudden application freezing upon changing some composite audio clip commands. Take absolute audio peak values only, making peak
files a little bit shorter and hopefully faster to load and draw as waveforms. Older pre-releases 2007-11-30 - The Adolescence Prime. qtractor-0.0.9.778.tar.gz Drag-and-dropping of MIDI files without specific track or channel, into existing tracks, is now rejected. The drop operation is now allowed on the track-view blank area only, meaning the same as
the complete MIDI file import into session. Record actual MIDI clip length to last play-head position, instead of time of last event in the recorded sequence. Connection is issued on any of the (intrinsic) bus ports. MIDI output buses now get the
panning slider to spit out some GM system master balance (sysex) messages, being now enabled. Mouse hovering on the clip fade-in/out handles, while in the main track-view, gets its long due cursor pointer feedback. Fixed a off-by-one boundary issue on MIDI clip event playback, which were enqueuing duplicated MIDI events on every read-ahead
output thread processing cycle (1 sec). Transport menu and toolbar are now featured on the MIDI Editor. Use actual session name when asking to save changed session. Transport loop setting keyboard shortcuts swapped: Ctrl+L will set the loop immediately, and Shift+Ctrl+L will toggle on/off. Changing MIDI event duration may now affect MIDI clip
duration. Alternate sharp-note color lines have returned to MIDI Editor canvas, as was the shadow color marking the end of MIDI clip. 2007-11-12 - The Twelfth Tight. qtractor-0.0.8.762.tar.gz Bus context menu is now accessible from respective mixer strip. Fixed a subtle crash-suicide issue when invoking the bus dialog with a double-click over the
corresponding mixer bus strip; also fixed the sloppy ganguing mixtake when changing mixer bus gain (volume) and panning values. MIDI Omni mode (sort of) makes its entrance as a new MIDI track property, meaning that is now finally possible for the capture of any unfiltered MIDI channel assignment,
which still applies for playback purposes. Audio (pass-)through has been also implemented, now being a common and consistent property of both audio and MIDI buses, provided those are set in duplex mode (input and output). Re-touched follow-playhead and continue-past-end tool icons, again to be a bit softer and not so bright as to hurt someones
eyes. 2007-10-31 - The Eleventh Tower, gtractor-0.0.7.752.tar.gz Suspend auto-follow-playhead while dragging or moving content over the main track and midi editor views; re-touched follow-playhead and new continue-past-end tool icons. Playback is now forced complete full-stop whenever play-head goes behind the current session length and/or
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