

KeyMusician Keyboard Change-Log

- Software Version Reporting DONE
 - Bullet-proof key mapping, and change flat/sharp keys to Pg-Up/Pg-Dn DONE
 - Implement “Import Instruments” button (in F1 panel) DONE
 - Avoid the need for typing “xset r off” in a terminal window DONE
- Release 1.0 (0.0) (dd) 20120807 DONE**
- Handle Input from Java-MIDI devices (and thus Windows) DONE
 - Restore/fix code to initially-create the AereMidi directory. DONE
 - Allow play-through on AereMidi keyboard from MIDI keyboard DONE
- Release 0.1 (dd) 20120812 DONE**
- * FIX: play-through by making key-release use MIDI-note (not key offset) (deferred in favor of next item)
 - * or, FIX: force note-off on accidentals using the same base key DONE
 - Pass velocity note-value through AMK on play-through DONE
 - Pass-through pedal on/off on play-through DONE
 - Change performance panels to display up & down arrows DONE
 - Make dialogs non-modal. Set for keypad window to return focus. DONE
 - FIX: Play-through display-input has invisible E on 2nd time playing. DONE
 - Display success-metrics in music-learning DONE
 - Include play-by-ear training in music-learning DONE
- Release 0.2 (dd) 20120823 DONE**
- Do garbage-collection on Play button (or somewhere reasonable) DONE
 - Figure out key-signature in the software by monitoring display-input DONE
 - FIX: Make learning metrics work for chords-panel DONE
 - FIX: Make learning metrics work for percussion-panel DONE
 - FIX: Make play-through work for percussion-panel DONE
 - Re-size window takes too long DONE
- Release 0.3 20120827 DONE**
- FIX: Crooked staff-lines DONE
 - Learning-Metrics lower 2 “%” boxes go narrow & lower boxes not aligned DONE
 - Keyboard-press marks on percussion-panel are red (don't go green) DONE
 - Restore former device connections after refreshing MIDI devices DONE
- Release 0.4 20120828 DONE**
- Java MIDI player, with slide-control for speed (works on Windows too) DONE
- Release 0.5 20120830 DONE**
- Player left-hand labels not the name size on Windows DONE
 - On resume by clicking on play, keep the play-button selected DONE
 - Need to show what channels a MIDI file uses (on player) DONE
 - FIX: Wrong devices after “Refresh” because same descriptions DONE
 - FIX: Input MIDI devices not restored on “Refresh” DONE
 - FIX: Exception generated clicking Play/Stop/Pause with no MIDI file DONE
 - Get MIDI input-display from the MIDI player DONE
- Release 0.6 20120902 DONE**
- Add another output port to the device-driver & JNI for player-output DONE
- Release 0.7 (dd) 20120903 DONE**
- FIX Problematic frame: C Java_pkgamk_AmkJni_jniSendMidiEventTo DONE?

• Allow player to play without an output device selected	DONE
• Can't change player back to a device it used before	DONE
• Can't change-back to display-input-only after setting player output dvc	DONE
• Make the search for MIDI channels more thorough	DONE
Release 0.8 (dd) 20120905	DONE
• Show software version in initialization window	DONE
• Laptop turns-off numeric-lock (xset) code effect – detect & turn back on	DONE
• FIX: Added Mutex-lock to device-driver send routine	DONE
• Clear graphics screen when changing MIDI channels	DONE
• Clear learning-metrics when changing player songs	DONE
• Alphabetize config files, keyboard map files, and instrument def. files	DONE
• Normalize controllers before playing a MIDI sequence	DONE
• FIX: Avoid truncation in assignable-slider text	DONE
Release 0.09 (dd) 20120918	DONE
• FIX: Static chords setting not changing to Modal in config	DONE
• FIX: Play, Help, and Exit buttons unreadable in “Metal” look-and-feel	DONE
• Do action when same combo-box item (as current) is left selected	DONE
• FIX: Items on 1st two rows of Learning-Metrics dialog not lined-up (Win)	DONE
• FIX: Set pitch-bend slider back (visually) to zero in non-GTK modes Can't fix – JRE problem	
Release 0.10 20120920	DONE
• FIX: Make initialization dialog big enough to show entire title	DONE
• FIX: On refresh-devices, make player device default more than “(none)”	DONE
• FIX: Smiley-face character unreadable in Windows LAF	DONE
• FIX: Some keys on chord-pad unreadable in Windows LAF	DONE
• Position-control (& maybe markers) for playback	DONE
• Need updated Help and Tutorials	DONE
• FIX: Moving player slider left after finished, plays w/o “Play” selected	DONE
• FIX: Some synth's squeal after changing position in piece	DONE
Release 0.11 20120928	DONE
• Add code to ensure the soundfont is loaded (on Linux)	DONE
• Make “Play” button of keyboard activate “Play” button of player	DONE
• Execute tutorial & help commands without waiting for completion	DONE
Release 0.12 20121007	DONE
• Get Instrument-definitions from soundfont file – Implement for Windows	DONE
• FIX: On change to bank 128, doesn't change to percussion-panel	DONE
• FIX: Rosegarden bank 1:0 sends 2:0	DONE
• FIX: Fails to properly select banks of the Yamaha S90-es	DONE
• Indicate patience is needed in processing a large soundfont	DONE
Release 0.13 20121014	DONE
• FIX: Handle exception on soundfont import when PulseAudio not there	DONE
• FIX: Warnings in new level of Eclipse	DONE
• FIX: Set Chords-panel parameters after change of output device	DONE
• FIX: Pressing right-shift shouldn't disable use of Page-Up/Page-Down	DONE
• Offer to load soundfont into Java synth, when used	DONE
• Add Chords-pane control for strum-delay	DONE
• Retain patch #'s (if possible) on bank change.	DONE
Release 0.14 20121023	DONE

• Do garbage-collection more frequently	DONE
• Simplify 'memory concern' messages to use megabytes	DONE
• Change default files written to AMK directory	DONE
• FIX: Unable to create AereMidi-Keyboard directory – bad Joption	DONE
• Allow browsing for soundfonts	DONE
• Allow reading help & tutorials from the Internet	DONE
• JNI code never gets updated after the directory is created	DONE
• Player hangs (exception) on playing range with no player output device	DONE
Release 0.15 20121104	DONE
• FIX: No-answer to Memory-concern dialog takes out main window	DONE
• Make it ensure the files we need to run are in our working directory	DONE
• FIX: Get null-pointer exception on 1 st note with no config-file	DONE
• FIX: With no config-file, non-percussion notes have expression=0	DONE
• Make sure the user really wants to re-map the current keyboard	DONE
• Include default PriorConfig.amk	DONE
• FIX: Problem reading config-file during init, but not later, on Macintosh	DONE
Release 0.16 20121126	DONE
• FIX: Handle chords with page-up/down	DONE
• Allow getting the already-loaded instrument definitions from Java-Synth	DONE
• FIX: Change yes/no to okay/cancel in reportError	DONE
• Sort soundfonts in drop box	(difficult – not worth it)
• Add “Load Soundfont” button to F1 panel	DONE
• Allow using '.bnk' (old-style) soundfont files	DONE
• Add “isMacintosh” boolean	DONE
• More info in last stages of initialization dialog	DONE
• FIX: Make Load Soundfont Button same size, & include tool-tip	DONE
• FIX: Set initial look-and-feel.	DONE
• If no MIDI output device selected from config, use default synthesizer	DONE
Release 0.17 20121203	DONE
• FIX: PriorConfig.amk seems to be left in an open-state on Macintosh	DONE
• FIX: Launch/init often (50%?) fails on Macintosh	DONE
• FIX: MIDI-control pane of performance panes too narrow	DONE
Release 0.18 20121218	DONE
• Handle launch of browser on MacIntosh	DONE
Release 0.19 20121218	DONE
• MIDI-files don't play on MacIntosh	DONE
• FIX: Input-display doesn't work on MacIntosh	DONE
• FIX: Play-through doesn't work on MacIntosh	DONE
• FIX: Sliders' position not updated when changed by software on Mac	DONE
Release 0.20 20121220 MacIntosh Supported	DONE
• Present default config-files for Windows, Mac, and Linux	DONE
• Control which windows are visible	DONE
• FIX: Isolated (flow-layout) cases where it didn't launch on Mac	DONE
• Added more tool-tips to the MIDI-player dialog box	DONE
Release 0.21 20121224	DONE
• Update the FAQ's – adding “why the vertical keyboard display?”	DONE
• Disable soundfont functionality on Mac if using Java 6	DONE

• Remove “.bnk” code – it doesn't work anywhere		DONE
Release 0.22	20121226	DONE
• Make Linux version run without the numlockx package		DONE
• FIX: “Refresh” button works only one time, then yields no devices		DONE
• FIX: Tries to copy KeySigs config, which is no longer there		DONE
• FIX: Handle non-zero status on asfxload		DONE
• Handle license display & acceptance		DONE
Release 0.23	20130106	DONE
• FIX: Use same note-info in removing screen notes as when painting		DONE
• FIX: Release of chord note while maj/min pressed leaves flats/sharps		DONE
• FIX: Removing a chord accidental needs to remove it from melody		DONE
• FIX: Don't change chords-pane if static chords on key-sig change		DONE
• Don't add accidentals if static chords		DONE
Release 0.24	20130111	DONE
• FIX: On maj/min, show natural instead of sharp/flat (big fix)		DONE
Release 0.25	20130112	DONE
• FIX: Panic-button doesn't correct the above problem		DONE
• Make special license for free demo copies of AMK		DONE
• FIX: Chord 7 th left on-screen on press 5 & 4, let-up 5, let-up 4		DONE
• FIX: Handle E & E-flat simultaneously		DONE
• FIX: Cases of testing the above make it so every note is flat		DONE?
• Add accidentals if static chords		DONE
Release 0.26	20130115	DONE
• Tried to intelligently display flats or sharps – coded, but not effective		DONE
• Display tool-tips on on performance panels in addition to the F2 panel		DONE
Release 0.27	20130116	DONE
• “Play” button tool-tip suggests you have to install stuff to some users		DONE
• Load Soundfonts dialog needs intelligent info & defaults, and tool-tips		DONE
• Make HELP-panes more prominent/visible		DONE
• Display F2 pane initially, if possible		DONE
Release 0.28	20130117	DONE
• Don't load soundfont if using Soundblaster MIDI interface (cable)		DONE
• Use “asfxload -i” to unload the soundfont on termination		DONE
• When mapping the keyboard, only warn the user the first time		DONE
• Include MB-size of soundfonts in each option		DONE
Release 0.29	20130118	DONE
• Change so lack of soundfonts directory generates message – not error		DONE
• Fix the line in the license text that is too long		DONE
• asfxload neglected to use the specified soundfont directory		DONE
• Handle soundfont-load that adds to the already-loaded soundfont		DONE
• Performance pane combo-boxes retain focus		DONE
• Simplify the specification of key-signatures, avoiding the above problem		DONE
Release 0.30	20130206	DONE
• Note-key after click,click on Assign combo-box leaves screen artifacts waitAndRefocus)		DONE (kludge /w
• When key-released in different pane than pressed, note won't re-paint		DONE
• Need minimum size on all dialogs, or prevent resizing		DONE

• Cancelling the append-soundfont dialog needs a better dialog	DONE
• Don't ask about appending soundfonts, because no bank def for it	DONE
• Make key-signature specification easier to understand	DONE
• Clear keyboard re-map mark if they don't want to re-map	DONE
Release 0.31 20130210	DONE
• Reset button needs to adjust the title	DONE
• Title needs to be more human-readable	DONE
• Drums panel needs to display a different transpose description	DONE
• Channel and Octave spin-controls will steal focus, and not relinquish it	DONE
• Editing the spin-controls doesn't actually effect a change	DONE
• Don't allow a base-octave value of 4 (3 is really the max)	DONE
• Change title to show just the config-file name	DONE
Release 0.32 20130211	DONE
• Software Title/Version in Help-about doesn't fit on some Linux dists.	DONE
• Clicking the spinner arrow to move beyond maximum retains focus	DONE
• On saving keyboard-map, suggest a different filename than the current	DONE
• Update FAQ string-array	DONE
• Keyboard-map not visible on Macintosh setup pane	DONE (w/a kludge)
Release 0.33 20130212	DONE
• Allow attempting to load soundfonts on Mac OS X Java 1.6	DONE
• On reporting an error, don't allow "Abort" option, or at least, call it that	DONE
Release 0.34 20130212	DONE
• FIX: Crash in GraphicsPanel on octave 0 with transpose -11	DONE
• Re-brand - add splash-screen to initialization dialog-box	DONE
• Put trademark at bottom of screen if staff-lines moved upward	DONE
• Re-brand - display logo on screen at all times	DONE
• Re-brand - change "AereMidi" to "KeyMusician"	DONE
• Re-brand - change '.amk' extension to '.kmk'	DONE
• Re-brand - re-name device-driver client/ports reflecting KeyMusician	DONE
• Re-brand - change "AereMidi" in trace-entries to "KeyMusician"	DONE
• FIX: Every flat or sharp played, marks a black-key at the screen's top	DONE
• Re-brand - change jar-file & jnlp-file names, & code for branding	DONE
• Re-brand - change license text	DONE
• FIX: Clean-up spin-control sizes on all panes	DONE
• Change all default configs to use Nimbus look-and-feel	DONE
• Spinners on Mac & Windows not wide enough	DONE
• FIX: Octave text-box in F7 pane not right-justified	DONE
• Change channel text-boxes to start with 1 instead of 16	DONE
Release 0.35 (dd) 20130218	DONE
• Re-brand - change directory name, & make new website directory	DONE
• Re-brand - added title-bar icons to all sub-windows	DONE
• Make Learning-metrics dialog a bit taller to fit the button-pane	DONE
• Make performance pane control labels fit on SUSE Linux	DONE
• FIX: Set size of splash-screen to the size of its graphics	DONE
• FIX: On load soundfont, don't tie dialog to the main window	DONE
• Disable Select File & Cancel buttons when too far into instrument import	DONE
• FIX: Hitting tab-key is quite bad on Windows and Mac	DONE

•	FIX: Browse button disappeared on Windows 7 player dialog (no room)	DONE
Release 0.36	20130220	DONE
•	Take-out the “Cancel” option on error detection – dangerous & no need	DONE
•	Change FAQ to come from a resource file rather than a string-array	DONE
•	Disable “Cancel” button while loading soundfont	DONE
•	Change desktop icon	DONE
Release 0.37	20130222	DONE
•	Handle almost all chords (big, risky enhancement)	DONE!
•	Allow chords to be played using the mouse	DONE
•	More intelligent choices for accidentals generated by chords	DONE
•	Playing chords with keyboard/mouse can end up with Play-button wrong	DONE
•	Add capability of playing minor-6 th chords	DONE
•	Use former chord notes when changing only maj/min/dim/7 th etc	DONE
•	Speed-up chords played via the keyboard	DONE
•	Remove un-needed mouse-events from keypad dialog	DONE
Release 0.38	20130227	DONE
•	Handle modal chords within the new way of doing chords	DONE
•	Update FAQ's to fit new chord-system	DONE
•	Add tool-tips on MIDI channel text-box & octave text-box	DONE
•	Change default config-files to use standard chords instead of modal	DONE
•	FIX: Low-probability launch failure on Mac	DONE?
Release 0.39	20130228	DONE
•	Re-enabled selection of an input-display MIDI device	DONE
•	Make MIDI device selection of 'sequencer' select the player's instance	DONE
•	Make display-input device 'none' re-select the player's sequencer	DONE
•	FIX: Alignment/size problems with MIDI input device & chord-system	DONE
Release 0.40	20130301	DONE
•	Search for MIDI device by name, if configs don't match	DONE
•	Play bass-note of chord (if present) first – sounds better when strummed	DONE
•	FIX: Help & Tutorial buttons don't work on Mac	DONE
•	Implement context-sensitive help	DONE
Release 0.41	20130302	DONE
•	Mark keyboard row-ends in graphics display	DONE
•	Restore ability to edit the chords dialog-box in Jigloo	DONE
•	Correctly handle note-highlighting in chords dialog	DONE
•	Refine the formatting of the chords dialog's buttons	DONE
•	Add Help documentation for the chords dialog	DONE
•	Add Help button to the chords dialog	DONE
•	Tool-tips for chords dialog	DONE
•	New FAQs for slash-chords & flat/sharp chord notes & added accidentals	DONE
•	Change tool-tip for main Help button	DONE
Release 0.42	20130304	DONE
•	Allow rewind on reading soundfont file (internal – doesn't fix Mac)	DONE
•	Use major/minor with 9 th & 6 th & aug	DONE
•	Simplify numeric keypad processing	DONE
•	Allow playing chords while the setup pane is visible	DONE
•	FIX: Problem playing chords with F1 visible after Chords pane visible	DONE

• FIX: Similar problem to above, but when using the mouse	DONE
• Warn the user about trying to play melody notes in the setup pane	DONE
Release 0.43 20130306	DONE
• Use left/right arrow keys for the volume control	DONE
• FIX: Keep extra “/x” sequences out of the chord name	DONE
• FIX: Cases where root-note of chord is missing from name	DONE
• Add button to clear all chord settings	DONE
• FIX: (Windows) Clear button on Chords dialog hangs onto focus	DONE?
Release 0.44 20130307	DONE
• Change config files to use Modulation instead of Expression	DONE
Release 0.45 20130308	DONE
• FIX: Get rid of noise when skipping forward/back in MIDI player	DONE
• Allow multi-function chord keys	DONE
• Implement all the new variations of chords	DONE
• Put in correct names of modal versions of chords	DONE
• Use End key to clear chord settings	DONE
• Clear button resets all multi-function keys to initial key-names & tool-tips	DONE
• Correctly handle mutual-exclusivity of 7 th /9 th /11 th /13 th chords	DONE
• Add “sus” to the possible names of the suspended key	DONE
• Re-do chords documentation to match multi-function keys now used	DONE
Release 0.46 20130313	DONE
• When using modal chords, the implied major/minor should clear susp.	DONE
Release 0.47 20130314	DONE
• FIX: Warns about can't play melody in F1 pane when mapping keyboard	DONE
• Keep root note of chords between MIDI notes 42 and 59 (bass G-B)	DONE
Release 0.48 20130320	DONE
• Use Insert (+) and Delete (-) keys for manipulating Velocity control	DONE
• Change Help/Tutorials to reflect the above change	DONE
Release 0.49 20130324	DONE
• Still seems to not configure MIDI device if channel number differs	DONE
• Leave numeric-lock off (or the way it was when we started)	DONE
• FIX: Exception on Mac, returning focus to main from chords	DONE
Release 0.50 20130325	DONE
• Save panel settings on MIDI channel & octave changes	DONE
• Send current MIDI-controls on MIDI channel-change	DONE
• FIX: Won't play low slash-chord with base-octave set to 3	DONE
Release 0.51 20130326	DONE
• Record: Add recording capability to the player (NEW FEATURE)	DONE
• Record: can't record past end of piece	DONE
• Record: doesn't play while recording	DONE
• After changing MIDI channel, display of former channel keeps coming	DONE
Release 0.52 20130329	DONE
• FIX: Can't cancel application early in the startup process	DONE
• FIX: Don't erase meta-events	DONE
• Update playback buttons to reflect recording-related functionality	DONE
• Display per-track info for loaded sequence file	DONE
• Display & acknowledge copyright info	DONE

Release 0.53	20130401	DONE
• FIX: Can't record a totally new sequence – ends up super-fast		DONE
• FIX: Make specifying MIDI-file = (none) the same as the “New” button		DONE
• Add “New” button to player/recorder.		DONE
• Specify name of new track		DONE
• Specify copyright for the new track		DONE
• Specify new length of entire piece on save of recorded data		DONE
Release 0.54	20130402	DONE
• FIX: Prevent Drums pane getting changed to channel 1		DONE
• Test strummed chords in recording		DOESN'T STRUM
• FIX: Shows same copyright info multiple times		DONE
• Add time-signature specification		DONE
• Add metronome capability		DONE
• FIX: Doesn't ask about recorded data on toggle of Play-button		DONE
Release 0.55	20130412	DONE
• FIX: When you change tempo after initial tempo & record, tempo bad		DONE
• FIX: Doesn't remember metronome instrument on time change		DONE
• FIX: Time dialog shows 6/8 as 6/16		DONE
• FIX: After abandoning recorded MIDI, new sequence has no metronome		DONE
• FIX: Clicking “Time” button on empty sequence does nothing – notify		DONE
• Don't allow recorded data to be discarded accidentally on window close		DONE
• At end of playback, with recorded data, should ask about the new data		DONE
• Get key-signature from the current performance-pane on recording new		DONE
• Record the settings of the Chords pane, in case it's used?		DONE
• FIX: Remove extra Tracks-Summary task-bar entries		DONE
• FIX: After recording, need to update tracks-summary display.		DONE
Release 0.56	20130416	DONE
• FIX: A default tempo setting is made first, & is displayed for the track		DONE
• Don't allow editing of track header items		DONE
• FIX: Hangs at end of playing a piece, when it 'clicks' the play button		DONE
• FIX: Windows dialog says only “player” (not player/recorder)		DONE
Release 0.57	20130417	DONE
• Add initialization abort capability just prior to getting system MIDI info		DONE
• Ignore empty Rosegarden copyright		DONE
• FIX: Exception loading “Forest breezes” into the player		DONE
• FIX: Player main panel not big enough on Windows LAF		DONE
• FIX: Include Tracks-summary window in switch of LAF		DONE
Release 0.58	20130421	DONE
• FIX: After saying 'no' on keep, playback still has last record		DONE
• FIX: Add newly-created file to the files drop-box		DONE
• FIX: Files ended with “.MID” end up with “.MID.mid” at end		DONE
• FIX: On re-size for recording, the %-position doesn't adjust accordingly		DONE
• FIX: After saving additional recorded track, it won't play until app. reload		DONE
• FIX: Recording new track on existing sequence says NewMidiFile		DONE
• Re-brand - install better icon & trade-mark & splash-screen		DONE
Release 0.59	20130430	DONE
• Add Z2 keyboard-maps		DONE

• Add ZynAddSubFx config-file & instruments file		DONE
• FIX: On LAF change Nimbus-to-GTK, Player dialog is too small		DONE
• FIX: On Windows 7, Player dialog is slightly too narrow		DONE
Release 0.60	20130509	DONE
• Delete "2gmgmt.sid" from list of installed files		DONE
• Add alternate Fluid_R3 GM config-file		DONE
• Set the output MIDI device to none or Java emu10k1 in Fluid configs		DONE
• Make Sequence-Editor functionality buttons invisible for now		DONE
• New desktop icon		DONE
Release 0.61	20130514	DONE
• Updated screenshots in web-site (KMK and KMK/Help)		DONE
• Updated screenshots in Deborah's & web KMK/Tutorials folder		DONE
• Create release-notes page		DONE
• FIX: Dvorak keyboard doesn't work on Mac OS X (can't easily support)		REJECTED
• Move code reporting no output device to catch a config-file with none		DONE
• FIX: Crashes during launch on 64-bit Linux		DONE
Release 0.62	20130519	DONE
• Need task-bar entry for the main dialog, though Java 7 prevents it		DONE
Release 0.63	20130520	DONE
• Clear chord attributes on each new chord (standard chords only)		DONE
Release 0.64	20130523	DONE
• FIX: Need the device-driver code to handle 64/32 bit code		DONE
Release 0.65	20130524	DONE
• FIX: Playing exercise 43, then 44, ends up with guitar track muted		DONE
Release 0.66	20130527	DONE
• FIX: On Windows, accessing local Help docs, error forming URI		DONE
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Release 0.67	20130610	DONE
Release 1.00	20130629	Beta-Test Release
• FIX: Error loading piece in player if it doesn't have a time-signature		DONE
Release 1.01	20130705	DONE
• FIX: On multiple short 'takes', the length of the sequence grows		DONE
• FIX: On multiple short 'takes', each time you have to re-specify the time		DONE
• FIX: Can't initially-specify time and tempo		DONE
• FIX: Recorded, incorporated, turn-on metronome during play, failed		DONE
• FIX: When you record at a place further along, track starts /w default time		DONE
Release 1.02	20130711	DONE
• FIX: MIDI out to MIDI itfc fails if there's already an input dvc on M-Itfc		DONE
Release 1.03	20130715	DONE
• FIX: Recorded with metro-playback, saved, play, metro-playback missing		DONE
• FIX: On clicking Stop (or toggling Play) need to set position to zero		DONE
• FIX: Keeps trying to play past end on play after save (which shortens)		DONE
Release 1.04	20130717	DONE
• Allow turning-off accidentals from chords into melody		DONE
• Report Key Signature based on chords played		?
Release 1.05	20130724	DONE
• Handle old/new configuration file formats		DONE

• Save the turn-off-accidentals configuration item, & other new items	DONE
Release 1.06 20130725	DONE
• FIX: Think Xmin7-5 uses incorrect notes	DONE
• FIX: Modal V and VII 7 th chords are ex. G7, and Bmin7-5	DONE
• FIX: On WinXP /w NVIDIA, trade-mark is blank	DONE
Release 1.07 20130805	DONE
• FIX: Modal 'V7' chord should clear "major" key	DONE
• FIX: Modal 'VII7' chord should set "minor"	DONE
• FIX: On Ubuntu and Ubuntu-Gnome, PP buttons not visible	DONE
Release 1.08 20130807	DONE
• FIX: On minimizing KMK window, can't get it back visible again	DONE
• FIX: Can't add suspended chords anymore in modal chords	DONE
Release 1.09 20130808	DONE
• FIX: Can't add "dim" to minor in modal chords	DONE
Release 1.0a 20130809	DONE
• Update Frequently-Asked-Questions & make questions fit better	DONE
• Increase size of small logo a little	DONE
• FIX: On WinXP (NVIDIA) blank logo on clicking percussion checkbox	DONE
Release 1.0b 20130811	DONE
• FIX: Keyboard-map diagram wrong after resize	DONE
• FIX: Too much screen-redrawing overhead after resize	DONE
• FIX: On Mac OS X and WinXP (/w Intel graphics) keyboard-map missing	DONE
• FIX: The Help/Setup pane 'flutters' during initialization	DONE
Release 1.0c 20130812	DONE
• FIX: Tool-tip over graphics pane with note held, leaves note displayed	DONE
• FIX: 1 st note not erased on WinXP /w NVIDIA	DONE
Release 1.0d 20130814	DONE
• Prevent system-hangs when JACK is active. using Gervill synthesizer	DONE
Release 1.0e 20130816	DONE
• FIX: Don't warn about Gervill /w JACK if qjackctl no longer active	DONE
Release 1.0f 20130817	DONE
• Change splash-screen & help-about to 'final' format	DONE
Release 1.0g 20130821	DONE
• Add a half-second more to the minimum splash-screen display time	DONE
• Save instrument change over panel change	DONE
• FIX: FluidR3_GM2.kmk had a bad MIDI channel in the F2 pane	DONE
• Change both FluidR3_GM configuration files to use the Gervill Synth	DONE
• Set assignable slider to 0 on assignable combo box change (not a good idea)	
Release 1.0h 20130822	DONE
• Make splash-screen window stay on-top	DONE
• FIX: Avoid Gervill-synthesizer 4-sec. latency on slow Win7 systems	DONE
Release 1.0i 20130826	DONE
• FIX: Better version of Gervill synth latency fix above	DONE
Release 1.0j 20130827	DONE
• FIX: More general version of Gervill synth latency fix above	DONE
Release 1.0k 20130828	DONE
• Added MainStage configuration file (if Mac OS X)	DONE

Release 1.0l	20130902		DONE
		• FIX: Show Windows dialog-box on Ubuntu-Gnome cuts off bottom entry	DONE
Release 1.0m	20130906		DONE
		• Add ability to add attributes to standard chords	DONE
Release 1.0n	20130925		DONE
		• On Standard chords, let no-attribute chords default to major	DONE
Release 1.0o	20131011		DONE
		• Add company URL to buttons-panel	DONE
Release 1.0p	20131014		DONE
		• FIX: Prevent asking the danger-of-hang question twice	DONE
Release 1.0q	20131104		DONE
		• FIX: Restore asking the danger-of-hang question multiple times	DONE
		• Avoid asking the want-to-use-gervill twice in a row	DONE
Release 1.0r	20131105		DONE
		• Add manifest security attributes needed for next Java update	DONE
Release 1.0s	20131106		DONE
		• Show copyright within player window	DONE
		• Don't show copyright for sequence on every record	DONE
Release 1.0t	20131112		DONE
		• FIX: End-key should also clear old chord, even if chord still playing	DONE
Release 1.0u	20131124		DONE
		• FIX: Problem saving MIDI file without having browsed first	DONE
		• Handle file-browsing on Windows Vista	DONE
Release 1.0v	20131125		DONE
		• FIX: On Windows Java 1.6, don't create duplicate "My Documents"	DONE
		• Allow double-clicking on Vista file browser to select a file or directory	DONE
		• Don't show hidden directories	DONE
Release 1.0w	20131126		DONE
		• Add BS-16.kmk to provided list of configuration files	DONE
Release 1.0x	20131127		DONE
		• FIX: Don't position Player window past the screen bottom (XP problem)	DONE
Release 1.0y	20131202		DONE
		• Show grand-staff note-letter names when transposing	DONE
		• Internal exception on clicking at very top of graphics panel	DONE
		• Setting/clearing "Percussion" check-box loses former transpose	DONE
		• Changing panels with percussion set/cleared yields transpose = -1	DONE
Release 1.0z	20131203		DONE
		• FIX: When you click both the left & right mouse buttons, note not erased	DONE
Release 1.0A	20131205		DONE
		• Arrange windows better for wide-screens	DONE
		• Feature Option: Changes for EagleEyes hardware	DONE
Release 1.0B	20131212		DONE
		• FIX: Put player window at the left if it's only marginally visible on the right	DONE
		• Wait for correct note in 'match the dots' method of learning	DONE
Release 1.0C	20131213		DONE
		• Don't allow to run unless launched via Java Web-Start	DONE
		• FIX: Vista: Keyboard focus lost after clicking on metrics dlg. components	DONE

Release 1.0D	20131221		DONE
		• Prevent people from running the application as a simple JAR-file	DONE
		• Add licensing code to application (at present with no penalty)	DONE
Release 1.0E	20131226		DONE
		• Add penalty for lack of licensing	DONE
Release 1.0F	20140113		DONE
		• Make it easy to post-pone licensing	DONE
		• Make Zyn's config-file available on Windows as well as on Linux	DONE
		• Restore all but two of the voices that caused Zyn to crash	DONE
Release 1.0G	20140115		DONE
		• Allow playing black-keys with mouse	DONE
		• Allow doing accidentals entirely with the mouse	DONE
		• Playing black-keys doesn't work with EagleEyes	DONE
		• Playing notes with mouse leaves notes on if more than one played	DONE
		• Explain about clicking left of short-lines to shut-off notes in EagleEyes	DONE
Release 1.0H	20140117		DONE
		• FIX: Allow chord accidentals to affect melody when played with the mouse	DONE
		• Add "-MouseAccessible" as equivalent to "-EagleEyes"	DONE
		• Ability to select mouse-accessibility	DONE
Release 1.0I	20140118		DONE
		• FIX: On EagleEyes, don't position Learning-metrics left of main window	DONE
		• FIX: Note left on screen if under "how to turn-off note" dialog	DONE
Release 1.0J	20140120		DONE
		• Handle modal 9 th chords to use only notes of the key-signature	DONE
		• Change copyright date	DONE
Release 1.0K	20140121		DONE
		• Handle modal 11 th chords to use only notes of the key-signature	DONE
		• Handle modal 13 th chords to use only notes of the key-signature	DONE
Release 1.0L	20140127		DONE
		• FIX: Have to click twice on Player File JoptionPane "OK" button	DONE
		• FIX: Close Player's File ComboBox that doesn't close quick enough	DONE
		• FIX: Don't leave Track-Info window focused	DONE
		• FIX: Have to click twice on Player Soundfont JOptionPane "OK" button	DONE
Release 1.0M	20140128		DONE
		• FIX: On systems with Java 6&7, (or Mac) player position doesn't advance	DONE
Release 1.0N	20140131		DONE
		• FIX: Warn once about "Wait" option hanging playback	DONE
Release 1.10	20140227		DONE
		• RELEASE: Change licensing to accept codes & password	DONE
		• RELEASE: Add trusted code-signing certificate	DONE
		• RELEASE: Specify Laeramin LLC for company name	DONE
		• RELEASE: Change jar-file to reflect the version (KMK-1-10.jar)	DONE
		• RELEASE: Change jnlp-file to reflect new web-site & folder	DONE
Release 1.10	20140314		DONE
		• RELEASE: Change web URL for accessing the Help and Tutorials	DONE
		• FIX: Warn about leaving Num-Lock set on a laptop (for passwords)	DONE
		• RELEASE: Change manifest file to reflect new web-site	DONE

Release 1.10	20140330	DONE
•	RELEASE: Change license code text (draft version)	DONE
•	FIX: Include launcher icon on Mac OS X install	DONE
•	Don't require web-site user-ID/password every time you start it	DONE
•	Allow better error-recovery & error-reporting in licensing attempts	DONE
•	RELEASE: Don't allow application to run without a license code	DONE
Release 1.10	201400406	DONE
•	FIX: Allow saving sequence if only tempo was changed	DONE
•	FIX: Prevent editing MIDI Files drop-box entries	DONE
•	FIX: When changing tempo, adjust playback percentage scale to fit	DONE
Release 1.10	201400408	DONE
•	FIX: Problem displaying license code	DONE
Release 1.10	201400416	DONE
•	Changed to use member.keymusician.com instead of keymusician.com	DONE
Release 1.10	201400512	DONE
•	Re-size main window to minimum if it won't fit on the screen	DONE
Release 1.10	201400520	DONE
•	RELEASE: Change license code text (final version)	DONE
Release 1.10	201400523	DONE
•	FIX: Case where license code validated, but main dialog thinks invalid	DONE
Release 1.10	201400602	DONE
•	Change manifest codebase to allow either http or https version of website	DONE
Release 1.10	201400703	DONE
•	Not enough time for extra-recording past end of piece	DONE
•	Use same instance of Gervill-synthesizer for both keyboard and player	DONE
•	Allow different soundfonts for different instances of the Gervill-synthesizer	DONE
Release 1.10	201400724	DONE
•	Depend on Sequencer to echo notes played during recording (infrastruct.)	CAN'T
•	FIX: Single-click on slider makes note-graphics update start failing	FIXED
•	FIX: Single-click on assignable slider still causes the above problem	FIXED
Release 1.10	201400818	DONE
•	Supply a more-meaningful button than "Open" on JfileChooser	FIXED
Release 1.10	201400918	DONE
•	FIX: Strange characters displayed in license agreement	FIXED
•	FIX: Db chord in Eb major shows root note as C# instead of Db	FIXED
Release 1.10	201401124	DONE
•	FIX: On save config file, title-bar unchanged	FIXED
•	FIX: Default filename on "Save Config" should be the one in the title-bar	FIXED
•	FIX: On *ubuntu 14.10, sometimes have to hit num-lock to stop bad sound	FIXED
Release 1.10	201401126	DONE
•	FIX: When PriorConfig.amk not there, default to that file-name	FIXED
Release 1.10	201401128	DONE
•	FIX: On Save Config, clicking on another file loads (not saves) the config	FIXED
Release 1.10	201401129	DONE
•	FIX: Re-size windows to fit newer/Gnome desktops & even Win8	FIXED
Release 1.10	201401202	DONE
•	FIX: Don't allow making the Learning Metrics window any less-wide	FIXED

•	FIX: Un-checking "Wait" flag while playing leaves tempo super-slow	FIXED
•	FIX: Changing keyboard layout in Linux doesn't require keyboard map chg	OKAY
Release 1.10	20150202	DONE
•	Sign the jar-file with the new DigiCert code-signing certificate	FIXED
Release 1.11	20150218	DONE
•	Don't leave panel velocity-setting changed when playing MIDI keyboard	FIXED
Release 1.12	20150325	DONE
•	FIX: Java 1.8.0_40 needs Vista file-browsing	FIXED
•	Add suggested filename to dialogs & new-file input – Vista browsing	FIXED
•	Change "New" button to "New Name" - Vista browsing	FIXED
Release 1.13	20150409	DONE
•	MSI: If running as jar-file not allowed, abort before installing files	FIXED
•	MSI: Remember directory installed-to (on Windows) if known	FIXED
•	MSI: Send browser to website if index.html is missing	FIXED
•	MSI: If license file wasn't there, do license presentation/approval	FIXED
•	FIX: Don't require Vista browsing on Java 1.8	FIXED
•	FIX: On Vista browsing, call-up "New" dialog if file isn't selected	FIXED
•	FIX: Larger "New File" button	FIXED
Release 1.14	20150412	DONE
•	Use Enter-Key for manual vibrato	FIXED
•	MSI-MAC: Don't assume home directory is application directory	FIXED
Release 1.15	20150520	DONE
•	Changes for Mac OS X Installer (Apple Java)	FIXED
•	Changes for Mac OS X Installer (Oracle Java)	FIXED
Release 1.16	20150617	DONE
•	Changes for Linux (Debian) Installer	FIXED
Release 1.17	20150625	DONE
•	FIX-MAC: Chords-pane notes not updated until keyboard-played note	FIXED
•	FIX-MAC: Sequencer notes not updated until keyboard-played note	FIXED
Release 1.18	20150730	DONE
•	FIX: Chords instrument on Yamaha S90 wrong instrument & volume	FIXED
Release 1.19	20151115	DONE
•	FIX: Key-repeat not initially turned off on Ubuntu 15.10	FIXED
•	FIX: "Browse" button on recorder/player starts in /usr/share on Linux	FIXED
Release 1.20	20151208	DONE
•	FIX: Don't send non-zero modulation control on non-zero other assignable	FIXED
Release 1.21	20160116	DONE
•	FIX: Change unplayed root chord-note by pressing note key multiple times	FIXED
•	FIX: Browsing in Recorder/Player for saving shouldn't be in /usr/share	FIXED
•	FIX: On Save MIDI file, added '.mid' doesn't appear in drop-box	FIXED
Release 1.22	201604 04 and 07	DONE
•	Set transpose for all performance panes	FIXED
•	Access Drums pane via Scroll-Lock, and Chords pane via Num-Lock	FIXED
•	Access Drums on Mac via F11, and Chords on Mac via F13	FIXED
•	FIX: Get rid of NUM-LOCK warning on Mac	FIXED
•	FIX: After hitting F10, hitting F2 (or other F-Key) has no effect	FIXED
Release 1.23	20160426	DONE

•	FIX: Get rid of num-lock warning on Mac OS X	FIXED
•	Add Dynamics Pane (new feature) for numeric keypad	FIXED
•	Add help documentation for new features	FIXED
Release 1.24	20160809	DONE
•	FIX: half-second delay in 1 st note and > 2 seconds note erasure (OpenJ-8)	FIXED
•	FIX: Multiple fast notes don't update on Oracle Java on Mac	FIXED
•	FIX: Latency in display of notes from player in graphics screen (OpenJ-8)	FIXED
•	FIX: Latency in display of chord-notes in chords pane (OpenJ-8)	FIXED
•	FIX: With base octave=3, in key=Eb, Db/Db chord won't play (exception)	FIXED
•	Use config menu to force config-file reload	FIXED
Release 1.25	20161018	DONE
•	New JRE for Windows Install	FIXED
•	New Zyn config supplied	FIXED
•	FIX: Base Octave text-box not wide enough on Ubuntu-Gnome 16.10	FIXED
•	FIX: Handle Windows key-repeat an space-bar, page-up, page-down	FIXED
•	FIX: Yellow notes on OpenJ-8	WA-CODE
Release 1.26	20161031	DONE
•	Include FluidR3_GM soundfont with install	DONE
•	Include Tutorials (not just exercises) with install	DONE
Release 1.27	20161228	DONE
•	FIX: Percussion pane notes coming from MIDI channel wrong	FIXED
•	Allow browsing for configuration files	FIXED
•	FIX: Perc. disp. chan 10 from MIDI keyboard show played & gen'd notes	FIXED
Release 1.28	20170301	DONE
•	FIX: Md5sums error on files with spaces in their names	FIXED
•	Added tutorial for Repetition In Music	FIXED
Release 1.29	20170504	DONE
•	New code-signing certificate, from May 2, 2017, to June 4, 2018	FIXED
Release 1.30	20171003	DONE
•	FIX: The Chords window "6" key should be mutual-exclusive with "7" key	FIXED
•	FIX: C-add9 doesn't assume major in standard chords	FIXED
•	FIX: Add9 on a 5-chord is missing chord notes in modal chords	FIXED
•	FIX: Make chord-panel show modal chords when using Drums pane	FIXED
•	FIX: Update Debian control size, and text (include tutorials)	FIXED
•	FIX: Make Linux dependency timgm6mb-soundfont, not musescore-soundfont-gm	FIXED
	20171025	
Release 1.31	20180305	DONE
•	FIX: F1 check-boxes & Help Tabs & FAQ retain focus, so F2-F12 fails	FIXED
•	FIX: Handle Insert Key (Help) on Mac – keyCode=156, no keyPress 10.11	FIXED
•	FIX: Don't put splash-screen on-top of all other windows	FIXED
•	FIX: Tutorial on reading chords from music wrong in case of 7 th chords	FIXED
Release 1.32	20180428	DONE
•	FIX: Allow 'balalaika' strum for strumming, & document	FIXED
•	FIX: Help info says only way to move Pitch-bend slider is with mouse	FIXED
•	Expand help & tutorials to allow strummed chords & arpeggiator in all	FIXED
•	Add arpeggiation feature	FIXED
•	Add down-strum feature	FIXED

•	FIX: Add undefined controls for special usage	FIXED
•	Expand strum and arpeggiation feature to all synthesizers and interfaces	FIXED
•	FIX: Save in-memory when assign drop-box is changed	FIXED
•	NEW: Include Quick-Start tutorial	FIXED
•	NEW: Make arpeggios repeat while Play-button held down	FIXED
•	FIX: Allow Windows installation on Netbook-sized screen	FIXED
Release 1.33	20180619	DONE
•	FIX: Hitting Reset key also clicks Save key	FIXED
•	FIX: Change code so that a 0-delay interval won't be used with arpeggios	FIXED
•	Add configuration file for MainStage 3	FIXED
•	FIX: Add warning about LoobBe1 and Arpeggio with 0 delay time	FIXED
Release 1.34	20190415	DONE
•	Add MusicLab config-files to application	FIXED
•	Supply Java JRE for Mac OS X KMK	FIXED
Release 1.35	20190605	DONE
•	On re-size of main window, move chords window	FIXED
•	Handle MIDI all control messages from MIDI input device	FIXED
•	Handle MIDI pitch-bend, chan-pressure, key-pressure from MIDI input	FIXED
•	Updated ALSA device driver & Java MIDI, passing more message types	FIXED
Release 1.36	20190620	DONE
•	Accidentals in key of C/Am now shown as sharps instead of flats	FIXED
•	On move of main window, move chords window	FIXED
•	New code-signing certificate	FIXED
Release 1.37	20190629	DONE
•	FIX: After accidental on MIDI keyboard, it's inherited by notes typed	FIXED
•	FIX: Exception in on-move routine before initialized	FIXED
•	FIX: Display all minor-2nds on MIDI keyboard, without screen artifacts	FIX-PARTIAL
Release 1.38	20190803	DONE
•	FIX: Better display of accidentals in transposed key-signatures	FIXED
•	FIX: Strange display of red-note accidentals in transposed keys	FIXED
Release 1.39	20191018	DONE
•	Simplify Mac install by getting files from app-bundle	FIXED
Release 1.40	20191224	DONE
•	Make flats & sharps of key-signature more compact	FIXED
•	Handle playing from music written for non C-instruments (eg. Bb Cornet)	FIXED
•	FIX: Rare crash during initialization – may be stack overflow	FIXED?
Release 1.41	20200103, 20200120 (Mac)	DONE
•	FIX: iRig37 MIDI Input Thru device goes to "(none)" on Refresh Devices	FIXED
•	FIX: Save Kbd Map button grays-out again, after you don't save kbd map	FIXED
•	FIX: Clicking on grayed-out "Save Keybd Map" shouldn't cause action.	FIXED
•	FIX: Need only 1 button on chords-pane instrument-type warning msg.	FIXED
•	FIX: Simplify exercises in Play From MIDI-Files tutorial	FIXED
•	FIX: On MIDI record after save, no extra space for new recording	FIXED
•	FIX: Installer change to allow it to run on Mac OS X 10.15 (20200120)	FIXED
Release 1.42	20200305, 20200309	DONE
•	FIX: On MIDI file save, start in home directory (not KMK exercises)	FIXED
•	FIX: Exception on save MIDI file if no file selected	FIXED

• FEATURE: Save note-keys played, and write them as a text file	FIXED
• FEATURE: Use Caps-Lock for 'down' Wah-Wah key	FIXED
Release 1.43 20200324	DONE
• FIX: Allow Up/Down-Arrow navigation of combo-boxes	FIXED
• FIX: Changes to allow blind people to use the KMK windows	FIXED
• FIX: Show both digits of MIDI channel in performance panes	FIXED
• FIX: Define Shift-Enter key for in-memory save, in performance panes.	FIXED
Release 1.44 20200331	DONE
• FIX: Add updated Help & Tutorials with accessibility to the installers	FIXED
• FIX: Make the Learning-Metrics dialog accessible to for the blind	FIXED
• FIX: Filter space-bar from going to the application, when control focused	FIXED
• FIX: Make control action on Learning-Metrics restore focus to KMK	FIXED
• FIX: Don't place Learning-Metrics window underneath other windows	FIXED
• FIX: Add tool-tip to tempo text-box of Time Tempo & Metronome window	FIXED
• FIX: Make keyboard action activate Test button on T T & M window	FIXED
• FIX: Statistics in Learning Metrics text-boxes don't quite fit	FIXED
• FIX: Time Tempo & Metronome window doesn't fit in GTK+ look-and-feel	FIXED
• FIX: Tracks Summary window has no tool-tip on the actual text-fields	FIXED
• FIX: Make the OK button the default action on the license screen	FIXED
Release 1.45 20200424	DONE
• FEATURE: Monitor key-presses in separate window	FIXED
• FEATURE: Show qwerty-keys to press in learning to play from a MIDI file	FIXED
• FIX: On Windows, & Chords window focused, won't return to main window	FIXED
Release 1.46 20200509	DONE
• FIX: Change code to remove things deprecated in Java-11	FIXED
• FIX: Prevent possible use of non-music-keys for keyboard mapping	FIXED
• FIX: Prevent Ctrl press/release from erasing current key being mapped	FIXED
• FEATURE: Allow the use of a text-file for mapping the music keys	FIXED
• FIX: Clear Keyboard-Monitor window selections on Escape/Panic button	FIXED
Release 1.47 20200612	DONE
• FIX: Add link to detailed keyboard mapping to F1 Help info	FIXED
• FIX: Change default chord system in initial configurations to modal	FIXED
• FIX: Remove nekobee, & request musescore musescore3, in extra deps	FIXED 5/19
• FEATURE: Drum-rolls, and repeated-notes	FIXED
• FEATURE: Drum-rolls, and repeated-notes documentation	FIXED
• FEATURE: Remember window positions & sizes	FIXED
• FIX: New DigiCert code-signing certificate valid until 06/15/2021	FIXED
Release 1.48 20200724	DONE
• FEATURE: Handle configuration of "Mouse" and "Wah-Wah" values	FIXED
• FEATURE: Configure wah-wah to do half-step and whole-step trills	FIXED
• FEATURE: Document the new feature	FIXED
• FIX: Use F16 for the down wah-wah on mac	FIXED
• FIX: Make Transpose Dialog tall enough for Ubuntu desktop	FIXED
• FIX: Make main-window minimum height greater, for Ubuntu desktop	FIXED
Release 1.49 20200831	DONE
• FIX: Set numeric-lock in software on Windows	FIXED
• FIX: When un-focused KMK window title-bar clicked on, function keys fail	FIXED

- FIX: When Show Windows button shows a hidden window, it grabs focus FIXED