

## ClickRepair version history

**Version 3.9.9** (build 46j) released June 17, 2017:

- Improved repair of 192kHz files.
- Minor bug fixes.

**Version 3.9.8** (build 46i) released November 14, 2016:

- Fixed bugs in batch processing.

**Version 3.9.7** (build 46h) released October 31, 2016:

- Minor changes to common codebase.
- Withdrawn November 1 because of bug in batch processing.

**Version 3.9.6** (build 46g) released August 25, 2016:

- Removed references to defunct kagi website.

**Version 3.9.5** (build 46f) released April 10, 2016:

- Minor bug fix.

**Version 3.9.4** (build 46e) released March 12, 2016:

- Improved audio monitoring for files >48kHz.
- Improved pitch detection algorithm.
- Minor bug fixes.

**Version 3.9.3** (build 46d) released July 19, 2015:

- Revised GUI layout & scaling.

**Version 3.9.2** (build 46c) released May 8, 2015:

- Revised & improved algorithm for files above 96kHz.
- Revised layout of under interface for high-resolution, scaled, displays.
- Minor bug fixes.

**Version 3.9.1** (build 46b) released June 30, 2013:

- Reverted sound monitoring code due to bug in Apple's JavaSound.

**Version 3.9** (build 46a) released June 8, 2013:

- Improved sound monitoring above 48kHz (on capable systems).
- Choice of File Dialog types.
- Revised manual for new features from versions 3.6-3.9.

**Version 3.8.4** (build 45e) released October 7, 2012:

- Minor interface changes.

**Version 3.8.3** (build 45d) released August 31, 2012:

- Fixed bug when printing from About Box.

- Minor interface changes.

**Version 3.8.2** (build 45c) released August 29, 2012:

- Minor interface improvements.

**Version 3.8.1** (build 45b) released July 29, 2012:

- Fixed bug associated with increasing size of window while processing.

**Version 3.8** (build 45a) released July 14, 2012:

- Can select sound-buffer length.
- ClickRepair now bundled with ClickRepairRT.
- Revised manual for new features and information on ClickRepairRT.

**Version 3.7** (build 44c) released February 4, 2012:

- Multiple file Drag and Drop.
- Drag and Drop checks for over-writing files.
- Better integration with Mac OS X (Drag and Drop onto Application icon, etc.)
- Revisions of French and German interface.

**Version 3.6.1** (build 44b) released January 11, 2012:

- Improvement to Drag and Drop interface.
- Minor bug fixes.

**Version 3.6** (build 44a) released November 12, 2011:

- Drag and Drop interface for single file processing (see new manual, p10).
- More robust handling of unacceptable files.
- Changes to File Dialog workaround introduced in version 3.4.2 (Mac only).
- Requests users to print registration information.
- Minor bug fixes.

**Version 3.5.2** (build 43c) released August 27, 2011:

- Further changes to breakpoint behaviour.

**Version 3.5.1** (build 43b) released August 24, 2011:

- Minor changes to breakpoint behaviour.

**Version 3.5** (build 43a) released August 20, 2011:

- Can set breakpoints (see new manual, p53).

**Version 3.4.5** (build 42f) released June 26, 2011:

- Automatic update notification.

**Version 3.4.4** (build 42e) released June 11, 2011:

- Minor bug fixes.

**Version 3.4.3** (build 42d) released May 21, 2011:

- Fixed Windows bug introduced in previous release.

**Version 3.4.2** (build 42c) released May 3, 2011:

- Work-arounds for problems with FileDialogs on Mac OS X.
- Minor bug files.

**Version 3.4.1** (build 42b) released August 19, 2010:

- Improvements to user interface.
- Fixed bug in handling files with meta-data.

**Version 3.4** (build 42a) released August 7, 2010:

- Improvement to batch processing interface.
- Sound output further revised.
- Minor bug fixes in dialogs.

**Version 3.3.1** (build 41b) released April 26, 2010:

- Fixed potentially serious issue with 32-bit float format files.

**Version 3.3** (build 41a) released April 5, 2010:

- Can process files up to 192kHz (using exact reconstruction).
- Facility to save and restore custom settings to file.

**Version 3.2** (build 40d) released February 23, 2010:

- Enhanced batch setup allowing for more files.
- Drag and drop support in batch mode.

**Version 3.1.2** (build 40c) released December 13, 2009:

- Revised Java Sound Output features.
- Restored Mac file-association feature accidentally omitted from version 3.1.1.
- Minor bug fixes.

**Version 3.1.1** (build 40b) released December 6, 2009:

- Minor interface enhancements.
- New bundled Java for Windows.

**Version 3.1** (build 40a) released October 25, 2009:

- New options for Java Sound Output settings.
- New preferences location for Windows.
- Minor interface enhancements.

**Version 3.0.2** (build 39c) released August 16, 2009:

- Will process AIFF files longer than 2GB.
- Java defaults updated for Mac OS.
- New launcher and installer for Windows version.

**Version 3.0.1** (build 39b) released December 21, 2008:

- Fixed bug in batch processing.

**Version 3.0** (build 39a) released December 17, 2008:

- Additional wavelet layers (existing methods unchanged).
- Option for reverse processing (useful for percussive music).
- Minor interface enhancements.

**Version 2.3.3** (build 38b) released October 27, 2008:

- Minor interface enhancements.
- Minor bug fixes.

**Version 2.3.2** (build 38a) released July 8, 2008:

- Processing 32-bit float files (aifc type fl32, wav type 3).
- Enhanced preferences for saving files.
- Minor interface enhancements.

**Version 2.3.1** (build 37b) released May 2, 2008:

- Minor improvements to batch dialog.
- Minor bug fixes.

**Version 2.3** (build 37a) released April 22, 2008:

- Extensive rewrite resulting from release of DeNoise, DeNoiseLF and Equalizer.
- Minor interface improvements.
- Minor bug fixes.

**Version 2.2.1** (build 35e) released December 5, 2007:

- Direct link from application for purchase of license code.

**Version 2.2** (build 35d) released October 25, 2007:

- New Windows Installer is Vista compatible.
- All versions now employ Java 1.4.2.

**Version 2.2** (build 35b) released July 5, 2007:

- The menus have been reorganised and extended.
- It is now possible to operate the interface entirely from the keyboard.
- Voice Over support for Mac OS X, enabling use by sight-impaired users.
- Batch processing is now enabled in trial mode.
- New installer for Windows users.

**Version 2.1.4** (build 34f) released June 16, 2007.

- Minor bug-fix to version 2.1.3.
- Version 2.1.3 (build 34e) released June 12, 2007:
- Important stability fixes for both Mac and Windows users.
- Dual-core processing restored for Windows users.

**Version 2.1.2** (build 34d) released May 24, 2007:

- Interim release which fixes the problem that the program "hangs" randomly.
- A further planned update should restore dual-core processing for Windows users.
- This version retains dual-core processing for Mac OS users

**Version 2.1.1** (build 34c) released May 10, 2007:

- Limited 32-bit processing.
- Resolves an issue with Sound Studio 3.5.
- Bug fixes - particularly issues related to the program "hanging" randomly.

**Version 2.1** (build 34b) released January 13, 2007:

- Dual core aware and other speed improvements.
- Option to keep a log file.

**Version 2.0.5** (build 33g) released November 13, 2006:

- Important bug-fix of the "Stereo>Mono" merge algorithm (not completely fixed in version 2.0.4).

**Version 2.0.4** (build 33f) released October 30, 2006:

- Important bug-fix for the operation of the "Stereo>Mono" merge algorithm.
- Further minor interface enhancements.

**Version 2.0.3** (build 33e) released October 23, 2006:

- Trial period now 21 days.

**Version 2.0.2** (build 33d) released October 21, 2006:

- Fixed bug which could cause processing to stall in some exceptional circumstances.
- Minor user interface enhancements.

**Version 2.0.1** (build 33c) released September 21, 2006:

- ClickRepair 2 is greatly changed and enhanced compared to the previous version 1.3.2.
- New processing method which splits the audio data (in each channel) into two streams, using the theory of wavelets.
- The previous method of processing each channel as a single stream are still available as an option.
- There is a new algorithm for protection of brass instruments and other highly

pitched material.

- New method for mono material – independent treatment of the channels, followed by an automatic merge.
- Detection and repair algorithms have been improved.
- Following user feedback, the sensitivity settings have been re-defined.
- Improved visual feedback to monitor the operations of declick, decrackle, and pitch detection.

**Version 2.0** (build 33b) had a bug which could affect processing of long files - not released.

**Version 1.3.2** (build 31c) released April 19, 2006:

- Works with 24 bit wav files produced by "Gold Wave" editor.
- Minor bug fixes.

**Version 1.3.1** (build 31b) released March 28, 2006:

- French Manual, thanks to the hard work of Philippe Bonin.
- Minor bug fixes.

**Version 1.3** (build 31a) released March 14, 2006:

- Processing at sampling rates to 96kHz, using wavelet decomposition above 48kHz.
- Batch Processing (registered users only).
- Minor changes to detection and repair algorithms.

**Version 1.2.6** (build 30k) released February 8, 2006:

- Fixes a bug which caused corruption of saved settings (Windows only).

**Version 1.2.5** (build 30j) released January 22, 2006:

- Compatible with "Final Vinyl" version 2 from Griffin Technology.
- Fixes a bug which could prevent processing of certain wave files.

**Version 1.2.3** (build 30g) released November 4, 2005:

- Minor bug fixes.

**Version 1.2.4** (build 30h) released December 7, 2005:

- Fixes bug which affected some Windows users.

**Version 1.2.2** (build 30f) released October 25, 2005:

- Fixes a bug whereby overloaded (clipped) input could produce clicks.
- Fixes a bug which prevented processing of files longer than 80 minutes.
- More consistent yes/no dialogs.
- Fixes minor annoyance issues in the user interface.

**Version 1.2.1** (build 30e) released October 20, 2005:

- Fixes bug in menu integration.
- Fixes sound menu bug which affects Windows users.
- Changes to a warning dialog and associated manual information.

**Version 1.2** (build 30d) released October 16, 2005:

- French and German user interfaces added, with the assistance of ClickRepair users.
- Sound playback of arbitrary selection in sound bar; loop playback mode.
- Better file handling and feedback about unsuitable files.
- Able to read directly from CDs (Mac OS X only).

**Version 1.1.4** (build 28k) released August 29, 2005:

- Fixes bug which prevented arrow keys working in non-English localities.

**Version 1.1.3** (build 28j) released August 25, 2005:

- Fixes bug which prevented processing files longer than about 80 minutes.

**Version 1.1.2** (build 28i) released August 20, 2005:

- Fix bug which could prevent application opening if preference file is corrupted.
- Enabled "Stop at Markers" for WAVE files, since such markers are now supported in the "Sound Studio" audio editor.

**Version 1.1.1** (build 28h) released August 15, 2005:

- More consistent user interface.
- Preferences moved to menu bar for Apple Mac users.
- Installer for Windows users with Java 1.4 already installed.

**Version 1.1** (build 28g) released August 1, 2005:

- 24-bit input and output files.
- New drop-down list for default and custom settings.
- Completely rewritten manual.

**Version 1.0.1** (build 28e) released July 11:

- Provision to listen to removed noise.
- User settings can be saved and restored.
- Ability to stop at markers in AIFF files.
- More control of scaling of the display.

**Version 1.0** (build 27) released mid-June 2005:

- First shareware release.