

Chronotron Speed Changer - Change log

Release 93 (2017-10-13):

- Improved: Contact Developer now adds the app version to the email body
- Improved: Performance enhancements in all CPU architectures
- In this release the application target version has been changed to Windows 10 build 16299 (Fall Creators Update)

Release 92 (2017-09-18):

- New: Playlist files under the Music library now appear in the application library
- Fixed: The application could hang when playing some material and note detection is on
- Improved: DSP performance enhancements on recent CPUs

Release 91 (2017-09-14):

- New: Documentation for application settings can be found [here](#) and is also accessible from the Options pane
- New: Ability to switch the audio playback device - on systems having multiple sound cards - when using the alternative playback engine, which can be configured via the Options pane
- Improved: Playback now resumes automatically when hardware-dependent settings are changed
- Improved: Minor stability fixes and UI updates

Release 90 (2017-09-03):

- New: Balance control in the Adjustments pane
- Improved: Minor bug fixes and performance enhancements in the UI
- In this release some changes under the hood have been made to support upcoming features

Release 89 (2017-08-13):

- New: Configurable AutoSave functionality for playlists
- Improved: Ability to set and clear loop points from the Loop Editor pane
- Improved: Minor layout updates for small screens

Release 88 (2017-07-28):

- Improved: DSP performance enhancements

Release 87 (2017-05-30):

- Improved: More DSP performance enhancements

- Changed: The default quality setting on ARM devices is now “Very Good”

Release 86 (2017-05-20):

- New: ARM package (beta) is now available for upcoming Windows 10 desktop/tablet devices!
- Changed: The settings “Process audio on multiple CPU cores” and “Use video hardware acceleration” are now enabled by default
- Improved: The quality settings “Very Good” and “Good” have been revamped for a better balance between sound quality and CPU usage
- Improved: Significant DSP performance enhancements in all architectures

Release 85 (2017-04-20):

- New: Video can now be rendered to audio-only (.mp3, .m4a, .wav)
- Improved: Minor layout updates and bug fixes
- Improved: UI rendering fixes for Windows 10 build 14393

Release 84 (2017-03-12):

- Fixed: Implemented workarounds for stability issues with the Windows .flac codec
- Improved: Remove media from the playlist by sliding items to the left
- Improved: Performance enhancements when searching the media libraries

Release 83 (2017-02-19):

- Improved: Added tooltips to the transport buttons, and button labels are shown when the command bar is expanded

Release 82 (2017-02-16):

- New: Ability to search the local Music and Videos libraries
- Improved: Revamped Recent and YouTube™ flyouts
- Improved: Items in Recent can now be added to the current playlist

Release 81 (2017-02-04):

- Fixed: Changes that caused unstable video playback in Release 80 have been rolled back
- Removed: Deployment packages for Windows 8.1 are no longer available

Release 80 (2017-02-01):

- Improved: Updates to the YouTube™ downloader to cope with web site changes
- Improved: Performance enhancements
- Improved: Better management of the Surface Dial mode selection

Release 79 (2017-01-29):

- New: Surface Dial support!
- New: Audio can now be rendered to PCM .wav, in addition to .mp3 and .m4a
- New: A Purchase App menu option is now available during the trial period
- Improved: New keyboard shortcuts - the documentation can be found [here](#)
- Improved: DSP performance enhancements

Release 78 (2017-01-12):

- New: Visual indication of the reverse playback limit in the audio scroller in Hold mode
- Improved: Hold mode can now be entered while in paused state

Release 77 (2017-01-07):

- New: Use multiple CPU cores to increase DSP performance
- New: The maximum reverse playback length in Hold mode is now configurable
- Improved: More accurate video synchronization in Hold mode
- Improved: New keyboard shortcuts - the documentation can be found [here](#)
- Improved: UI bugfixes and performance enhancements

Release 76 (2017-01-01):

- New: The Undo/Redo state is now maintained for every file in the playlist
- New: Audio can now be rendered to .m4a, in addition to .mp3
- Improved: Fixed a bug that caused rendering of some media files to fail with error 'The parameter is incorrect'
- Improved: DSP performance enhancements

Release 75 (2016-12-21):

- Improved: Fixed a bug that caused the app to crash when playing files having a low sample rate
- Changed: The option "Cast shadows on transparent controls" is now disabled by default

Release 74 (2016-12-18):

- Improved: UI and DSP performance enhancements

Release 73 (2016-12-13):

- New: The number of markers has been increased to 10
- Improved: UI performance enhancements
- Improved: Minor UI updates

Release 72 (2016-12-09):

- New: A whole new user interface design!
- Improved: Fixed a bug that caused some videos not to open when Seamless Loop is enabled.

Release 71 (2016-11-13):

- This is a maintenance release to introduce some technical changes – no new functionality has been deployed

Release 70 (2016-11-02):

- New: Keyboard shortcuts - the documentation can be found [here](#)
- Improved: Minor bug fixing in playlist functionality

Release 69 (2016-09-29):

- New: The transport Loop button now lets you loop either the full playlist or just the current title
- Improved: Performance enhancements on x64
- Improved: Minor technical changes to the video processing pipeline

Release 68 (2016-09-23):

- New: Show on-screen controls automatically when the playlist ends
- New: 64-bit binaries are now included in the app deployment package
- Improved: Minor bug fixes in the video processing pipeline

Release 67 (2016-09-13):

- New: The application theme (Dark vs. Light) can now be configured

Release 66 (2016-09-01):

- New: System notification on the first run after the app has been updated
- New: Files (either playlists or media) can be dragged from Windows Explorer into the playlist pane
- Improved: Fixed a bug that caused the app to crash sometimes when removing items from the playlist
- Improved: Various performance enhancements in the UI

Release 65 (2016-08-26):

- New: Selectable instrument patches
- Improved: Better synth volume curve
- Improved: Minor bug fixes and layout improvements

Release 64 (2016-08-11):

- This is a maintenance release to fix app startup issues for computer running Windows 10 builds prior to the Anniversary update

Release 63 (2016-08-10):

- New: Note detection display on the guitar fretboard now uses only one string to show each note
- New: Higher quality piano and guitar patches
- Improved: A lot of minor fixes and layout improvements

Release 62 (2016-07-29):

- New: Windows 10-specific package with revamped UI

Release 61 (2016-07-16):

- Improved: Minor bug fixes to the YouTube™ downloader

Release 60 (2016-06-25):

- Improved: Updates to the YouTube™ downloader to cope with web site changes

Release 59 (2016-06-11):

- New: Loops are now seamless
- Improved: Minor fixes to Shuffle mode

Release 58 (2016-05-28):

- New: Shuffle function for playlists
- Improved: The video recording target folder and the YouTube™ download folder are now configurable

Release 57 (2016-05-20):

- New: Optionally apply selected media parameters to the whole playlist, as opposed to individual files
- Improved: Open multiple files from Windows Explorer (requires the app to be set as the default program to open media files)
- Improved: Minor bug fixes

Release 56 (2016-05-15):

- New: Undo and redo for all per-file parameters
- New: Revert to previous playlist (i.e. “oops”) button
- Improved: Minor bug fixes and performance enhancements

Release 55 (2016-04-26):

- New: Loop Editor to manually adjust loop in/out times
- New: Background audio playback
- Improved: Fixed a bug that caused the app to crash when adding multiple items to the playlist

- Improved: Per-file parameters are now saved more often

Release 54 (2016-04-07):

- Improved: Low-latency playback is now configurable (enabled by default)

Release 53 (2016-03-10):

- Improved: Minor bug fixing in the YouTube™ downloader

Release 52 (2016-03-05):

- Improved: Error messages can display additional technical details

Release 51 (2016-02-27):

- Improved: General layout updates (flat ribbon buttons and redesigned progress bar)
- Improved: Updates to the YouTube™ downloader to cope with web site changes
- Improved: Fixed a crash when using the center channel isolation mode on some material

Release 50 (2016-02-08):

- New: Solo Channel now includes a center channel isolation mode
- Improved: Note detection has been greatly improved
- Improved: Better sound quality when Natural Key is enabled
- Improved: Performance improvements on recent CPUs
- Improved: Reordering the playlist by drag & drop has been implemented again (the Windows 10 bug has been fixed by KB3124262)

Release 49 (2016-01-09):

- New: Ability to rename markers
- Improved: Minor bug fixing to the Hold mode (incomplete video frames with some videos)

Release 48 (2016-01-02):

- New: Repeat Playlist button
- Improved: Artist and duration display in playlist items
- Improved: Added support for (old) playlists that use the Windows 1257 character encoding
- Improved: Better formant preservation in the Highest quality setting
- Improved: Performance enhancements

Release 47 (2015-12-21):

- Improved: Minor bug fixes and cosmetic UI improvements
- Improved: Updates to the YouTube™ downloader to cope with web site changes

Release 46 (2015-12-09):

- New: Volume control
- Improved: Move Up and Move Down buttons to the playlist for better accessibility
- Improved: Confirmation when removing items from the playlist
- Improved: New Highest quality setting. The previous Highest quality setting has been mapped to Very High
- Removed: Reordering the playlist by drag & drop has been temporarily removed because it stopped working due to a bug in the OS (Windows 10 release 1151)

Release 45 (2015-11-16):

- Improved: Minor bug fixing to the Playlist and Recent functionalities

Release 44 (2015-11-13):

- New: "Recent" function for playlist files and playlist media
- Improved: "Open with" on Windows Explorer now supports .m3u files as well
- Improved: Updates to the YouTube™ downloader to cope with web site changes

Release 43 (2015-11-02):

- New: Playlist functionality
- Changed: The Audio and Video tabs have been merged into a single Adjustments tab
- Improved: A few minor layout issues have been fixed

Release 42 (2015-10-04):

- New: 10-band graphic equalizer
- Improved: Minor UI updates

Release 41 (2015-09-27):

- Improved: Fixed a couple of regression issues present in Release 39

Release 40 (2015-09-25):

- Improved: Fixed a bug that caused the app to crash during startup on some systems

Release 39 (2015-09-14):

- Improved: Fixed a bug that caused playback to be muted after Hold

Release 38 (2015-09-13):

- Improved: General layout enhancements

- Improved: More functions have been moved to the ribbon: snap key changes to semitones, toggle audio scroller visibility and key change settings

Release 37 (2015-08-29):

- Improved: Added keyboard support to the ribbon
- Improved: Rewind/FF using the left/right arrow keys while the Play button has the focus

Release 36 (2015-08-23):

- Improved: Added guitar fret numbers
- Improved: Note detection now has better accuracy
- Changed: The Rate and Contact buttons were moved from the About page to the ribbon

Release 35 (2015-08-15):

- New: Revamped and better organized UI
- Improved: A lot of performance enhancements and bug fixes

Release 34 (2015-07-25):

- New: Choose the piano keyboard or a guitar fretboard to support transcription
- Improved: You can now hold the Skip buttons to repeat their action

Release 33 (2015-06-28):

- New: Synchronized metronome click track based on manual tempo entry or tapping

Release 32 (2015-05-27):

- New: "Pianogram" option in the piano keyboard that highlights the notes being heard!
- Improved: Piano keys are now labeled correctly
- Improved: The Hold mode now mutes the sound on zero tempo
- Improved: Performance enhancements and bug fixes

Release 31 (2015-05-14):

- Improved: Piano keyboard – ability to zoom, remember the scrolling position and volume, longer note release.

Release 30 (2015-05-13):

- New: Built-in piano keyboard to ease music transcription
- Improved: User preferences that do not depend on hardware are now maintained across devices
- Improved: Minor layout improvements

Release 29 (2015-04-28):

- Improved: Fixed a bug in the “Open With” functionality

Release 28 (2015-04-23):

- New: Open supported media files from Windows Explorer (“Open With”)
- New: Flip video horizontally and/or vertically
- New: Buttons to jump backward and forward 5 seconds

Release 27 (2015-04-04):

- New: Tempo and key calculator with support for math expressions
- Improved: Minor stability fixes

Release 26 (2015-03-22):

- New: Revamped and better organized UI
- Improved: Now the ruler can be used even when not in Hold mode
- Improved: YouTube™ search results now include the clip duration
- Improved: Stability fixes
- Improved: The Windows 10 compatibility switch has been removed – it is no longer needed on Windows 10 build 10041

Release 25 (2015-02-09):

- Improved: layout improvements to the YouTube™ Search and Recent flyouts

Release 24 (2015-01-29):

- Improved: YouTube™ search results and layout improvements

Release 23 (2015-01-26):

- New: Built-in simple YouTube™ downloader
- New: Windows 10 compatibility setting
- Improved: General bug fixes and performance improvements

Release 22 (2015-01-18):

- Improved: Accuracy improvements and minor fixes in Hold mode
- Improved: General bug fixes and performance improvements

Release 21 (2015-01-14):

- New: Optional waveform display during Hold mode
- Improved: Minor fixes and stability improvements

Release 20 (2015-01-06):

- New: The Solo Channel function now includes an L - R mode when playing stereo files
- Improved: Audio export format has been switched to MP3
- Removed: The “Allow reverse playback” setting was removed. Reverse playback is now allowed by default

Release 19 (2014-12-31):

- New: The Solo Channel function now includes a MONO mode
- Improved: Better preservation of the stereo image when changing tempo
- Improved: Direct access to the Change Log from the About pane
- Improved: Minor fixes and performance enhancements

Release 18 (2014-12-07):

- Improved: Fixed some regression bugs after the UI revamp

Release 17 (2014-11-21):

- New: Ability to export to disk
- New: Revamped and better organized UI
- Improved: Force display to stay on during playback
- Improved: Hold mode has been made even more precise

Release 16 (2014-10-14):

- New: Export and import all file settings at once as a text file
- New: Key change with optional formant preservation
- Improved: Minor fixes and performance enhancements

Release 15 (2014-10-09):

- Improved: Fixed a bug that caused the application to become unresponsive after being suspended

Release 14 (2014-10-07):

- New: Per-file settings are now accessible as text so they can be copied manually across systems
- Improved: The key range has been extended to +/-12 semitones
- Improved: Video acceleration now works across a wider range of devices

Release 13 (2014-09-27):

- New: Global setting to enable or disable automatic playback on open
- New: Per-file configuration setting to remember playback position

- Improved: Loop functionality has been improved
- Improved: Minor fixes and stability improvements

Release 12 (2014-09-16):

- Maintenance release to address stability issues

Release 11 (2014-09-15):

- No new software was released. Trial period extended to 7 days

Release 10 (2014-09-08):

- New: Configurable audio quality including high-quality settings
- New: Setting to enable video hardware acceleration
- Improved: Minor fixes and stability improvements
- Improved: Major performance improvements

Release 9 (2014-08-10):

- Improved: Reduced memory requirements
- Improved: Fixed a bug that caused video to show random green frames on some devices
- Improved: Minor fixes and stability improvements

Release 8 (2014-07-28):

- New: Recently Used Files list

Release 7 (2014-06-25):

- New: The application name was changed to Chronotron Speed Changer
- New: Localization for ES, FR
- Improved: Minor bug fixes

Release 6 (2014-06-14):

- No new software was released. Promotional images were added

Release 5 (2014-06-09):

- New: record videos directly from the app
- New: added support for WAV files
- New: Solo-Channel mode isolates individual channels in stereo or multichannel files
- Improved: Swipe-to-Advance mode is now more reactive
- Improved: All UI elements are now accessible via the keyboard

Release 4 (2014-04-27):

- Improved: Swipe-to-Advance mode

Release 3 (2014-04-09):

- New: Swipe-to-Advance mode

Release 2 (2014-03-03):

- New: Markers can be set to memorize up to 5 positions in a media file

Release 1 (2014-02-18):

- Initial Chronotron Mobile release