

MIDISplitter 1.5.2 and MIDI 2.0 File Workflows

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Practical file workflows

MIDISplitter opens supported MIDI files, exposes their musical parts, prepares auditions, applies track-level edits, and exports split, merged, or repeated-loop files. The MIDI 2.0 work extends these file workflows. It is not a live MIDI 2.0 synthesizer or an implementation of every MIDI 2.0 protocol.

The editable model uses MIDI 1.0-resolution values and retains original UMP packets for preservation planning. Successful parsing does not establish a lossless round trip.

Supported scope

- Import supported MIDI Clip files with .midi2, .smf2, or .clip extensions; export .midi2 files.
- Convert supported Channel Voice messages into editable notes, programs, controllers, pitch bend and pressure.
- Separate musical parts using UMP Group and Channel information.
- Read supported Flex Data tempo, time signature and complete single-packet text metadata.
- Preserve supported fractional MIDI 2.0 tempo precision through applicable exports, including split, merged and loop paths.
- Apply conditional native packet preservation, group-aware routing and supported field edits where the exporter can establish a safe mapping.
- Report preservation decisions, conversion effects, skipped data and fallback reasons.

Preservation depends on the operation

Native MIDI 2.0 data may contain finer detail than the editable model. The exporter must reconcile original packets with the current selection, instrument intent, mixer state, tempo, transpose, routing and loop boundaries. Keeping an untouched original packet when it contradicts an edit would lose the user's intended change.

The current implementation has supported native file, routing, field-edit and loop-preservation paths. These are conditional capabilities, not a guarantee for every source packet or edit. Other cases export the current state as MIDI 1.0-resolution UMP. The .midi2 suffix identifies the container; it does not promise that every event retains its original high-resolution data.

Enable Save Text Report and inspect the actual export's native-preservation counts and fallback explanations. Import inventory precedes export planning and is not the result of an export. Unsupported data that could not enter the working model cannot be assumed to reappear in fallback output.

What changed since the previous reviewer package

The 1.5.2 source includes improvements to MIDI timing, playback preparation, split/merge/loop handling and drum mapping. Drum mapping accounts for shared source-channel controls and refuses unsafe occupied-channel or multi-channel cases. Restore Before Mapping can recover the pre-mapping state within the current session; melodic instruments also offer Reset to Loaded.

Warnings now provide short explanations with links to the relevant User Manual recovery sections. Expandable technical details retain useful diagnostics. Export feedback distinguishes failed MIDI saving from an optional report failure after the MIDI was saved. The reviewer manual is regenerated from the current bundled Help content, including the expanded recovery instructions.

Evidence for this package

The September 24 automated demo run imports both exact supplied files and performs 44 split, merged and loop export/reparse checks. Whole-song and individual-part outputs retain their note-attack counts. This verifies bounded file behavior; it does not establish exact audible equivalence or every loop-boundary property.

The required September 24 MIDI foundation gate exercises the production implementation: 208 planned cases and 627 assertions across eight applicable contracts, including negative-control self-tests. The package QA explains the coverage limits. This gate is not whole-product MIDI conformance certification.

Previous independent synthetic fixture audits and Sean's September 21 approval of the latest 1.5.2 source are historical supporting evidence. They are not new device, DAW or human listening tests of this awards artifact. The app's standard production source matches the approved 1.5.2 candidate; this distribution adds its established awards diagnostics configuration and a new build number.

Compatibility boundaries

- No live UMP endpoint I/O, MIDI-CI, Profiles or Property Exchange.
- No arbitrary SysEx8 or full per-note expression editing; no blanket high-resolution round-trip promise.
- No general multi-packet Flex text editing or arbitrary metadata round-trip guarantee.
- Standard MIDI File Format 2 independent sequences are rejected. This is distinct from MIDI 2.0.
- SMPTE files use supported time-based MIDI 1.0 editing/export paths; built-in playback, tempo changes and MIDI 2.0 export are unavailable.
- MIDI 1.0 channel capacity and shared receiver state can constrain independent instruments and controllers.
- A device's MIDI 2.0 support does not establish that its software accepts MIDI Clip/SMF2CLIP files. Verify a destination's explicit file support and reopen exported copies there.

Intel hardware runtime, macOS 15 runtime, independent hardware/DAW interoperability and human listening on this build remain untested in this packaging session. Universal compilation establishes included architectures only.

References and provenance

Based on current source, bundled Help and the included test summaries. This updates build 2's native-loop limitations; it does not claim MIDI Association certification. Standards: <https://midi.org/specifications>. Historical synthetic fixtures: <https://github.com/jazz-soft/test-midi-files>.