



# AGENDA

- AAX SDK and JUCE
- MIDI Plugins
- ARA
- Pro Tools Scripting SDK
- The power of Audiosuite
- Sibelius
- Future Plans



# AAX SDK AND JUCE

- AAX SDK now has a dual license under GPL3 and is available to all JUCE plugin developers
  - JUCE 8
  - Developers open to discuss specifics of the AAX SDK in the JUCE forums, which they couldn't before
- AAX plugins still need to be signed by PACE signing tools that are made available to developers at no extra cost
- MIDI Effect plugin category added to JUCE Develop branch
- Please direct all questions about the AAX SDK program to [audiosdk@avid.com](mailto:audiosdk@avid.com)



# AAX MIDI PLUGINS

- MIDI plugins were added as a new plugin category in Pro Tools 2024.3
- MIDI routing is handled intelligently by MIDI Chains, drastically simplifying the MIDI routing capabilities in Pro Tools
- MIDI Chains open opportunities for creative routing of MIDI within Pro Tools
- We've had a great response so far and are looking forward to seeing more MIDI plugins in Pro Tools

## Mix Window



## Edit Window



### MIDI FLOW ICONS EXPLAINED

- Receives MIDI In and passes MIDI Out
- Receives MIDI In and does not pass MIDI Out (consumes it)
- Does not receive MIDI In but passes MIDI Out (i.e. a MIDI Generator plugin)

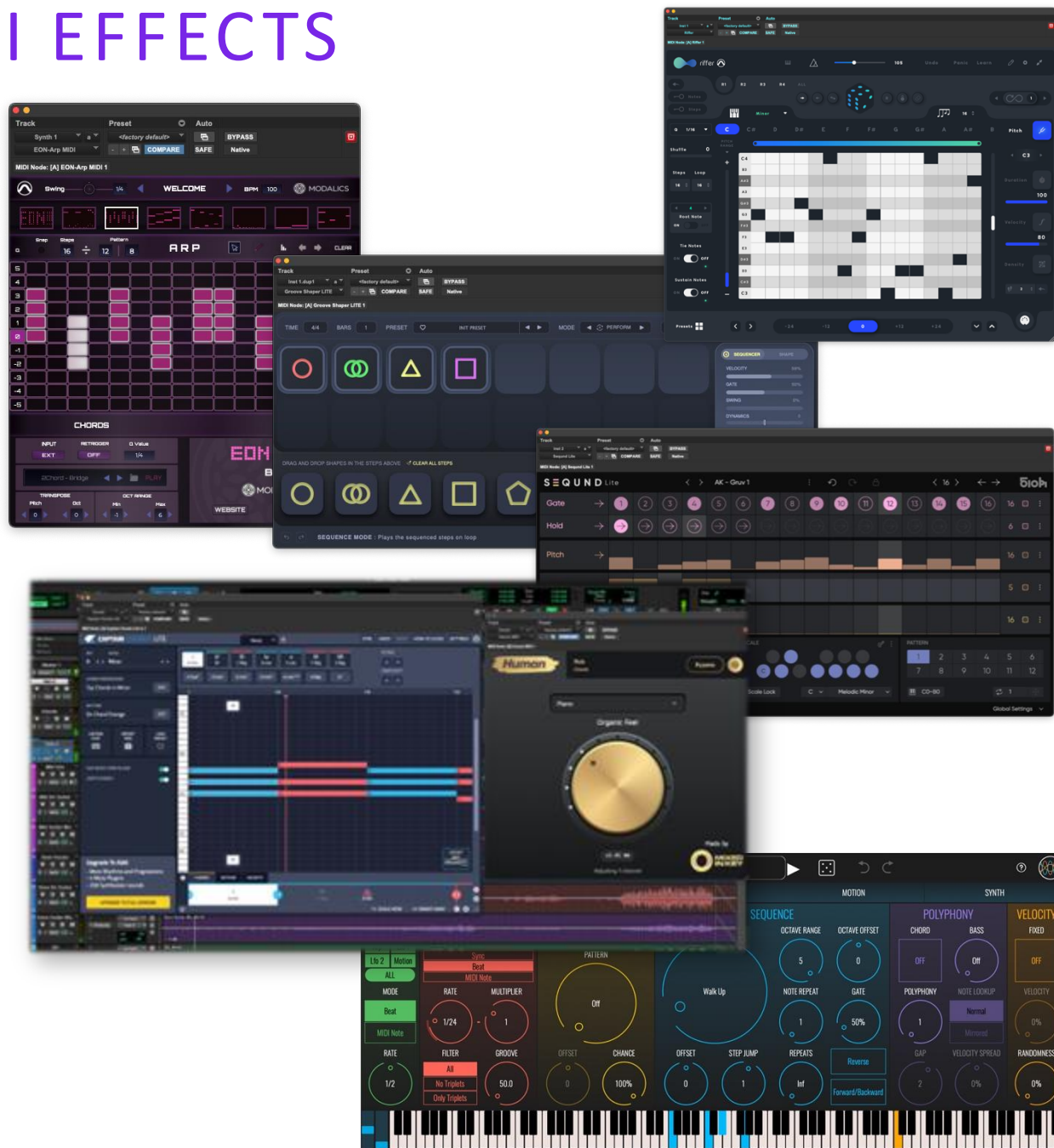




# INCLUDED PARTNER MIDI EFFECTS

## Included Pro Tools MIDI Effects & Capabilities

- **Modalics** EON-Arp: An arpeggiator that gives you rhythmic and melodic control to shape intricate, & highly musical phrases easily
- **Audiomodern** Riffer 3: Generates musical Riffs & Sequences by combining Pitch, Duration, Velocity & Density
- **Pitch Innovations** Groove Shaper: Sequencer to generate rhythms for Hi-hats, Bass, String motifs and more
- **Mixed in Key** Captain Chords Lite: allows users to pick any key and start experimenting with chords (control inversions, substitutions, and passing tones)
- **Mixed in Key** Human Lite: adds an organic feel to your MIDI performances, loops, and entire tracks
- **BLEASS** Arpeggiator: Generate musical ideas and get inspired by playing with different arpeggiated patterns
- **510k** SEQUND Lite: Creating bass lines with subtle variations or unexpected melodies an intuitive sequencer that helps you explore polyrhythms and enhance your creation process



# AAX ARA 2 PLUGINS

- First ARA plugin for Pro Tools introduced in 2022
  - Celemony Melodyne
- We worked with iZotope, Synchro Arts and Sound Radix to bring new ARA plugins to Pro Tools 2024.6
- And Steinberg and Acon Digital for the 2024.10 release
- We're looking for more ARA partners for future releases
- If you are interested, send an email to [audiosdk@avid.com](mailto:audiosdk@avid.com)



ara



# ARA SDK - AUDIO ECOSYSTEM

Partnering to bring workflow solutions into Pro Tools

celemony\_



steinberg



ACON DIGITAL



ARA 2  
PARTNERS

IZOTOPE



SYNCHROARTS



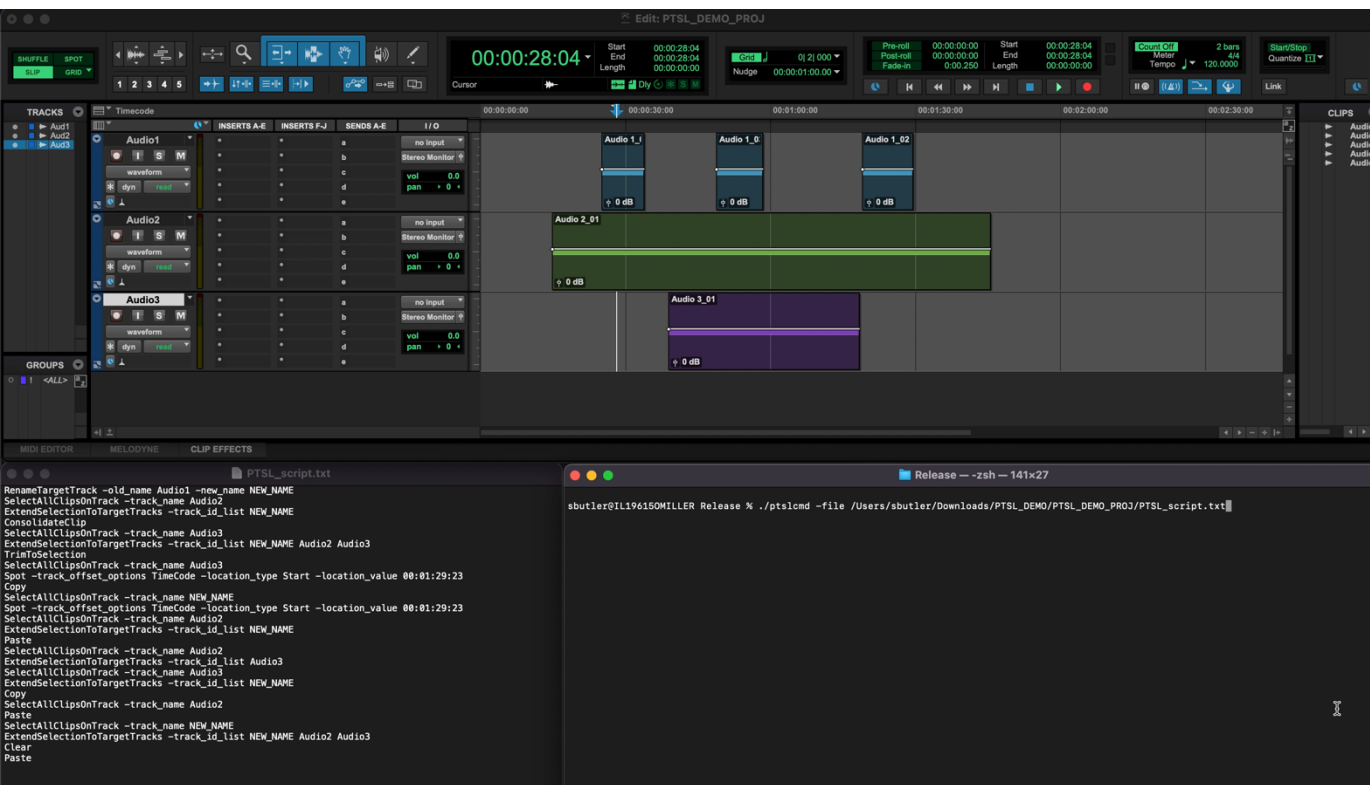
SoundRadix



- Steinberg's SpectraLayers Go and WaveLab Go included with all paid tiers of Pro Tools
- Acon Digital's Acoustica Essentials included with all paid tiers of Pro Tools
- RX Spectral Editor included with all paid versions of Pro Tools
- All tiers of Synchro Arts Revoice Pro, VocAlign™ and RePitch are supported
  - RePitch Elements included free with all paid versions of Pro Tools
- Sound Radix Auto-Align 2 and Auto-Align Post 2 are supported
  - 60-day trial of Auto-Align 2 included with all versions of Pro Tools
- Celemony Melodyne Elements included free with all paid versions of Pro Tools



# PRO TOOLS SCRIPTING SDK



- Introduced in December 2022
- SDK to allow partners & customers to 'script' Pro Tools
- Enterprise customers can automate tasks
- Partners can create commercial apps
- Free access to the SDK by Pro Tools Developers Community
- New API commands added every release
  - GetSessionID for collaboration workflows
  - Focus on commands to automate editing workflows
  - Track Markers for Review & Approval workflows





# SOUNDFLOW NOTES APP

The screenshot displays the SoundFlow Notes App interface. At the top, there's a header with the 'notes' logo, a 'Projects' dropdown menu showing 'Test project SF 3', and buttons for 'Users' and 'Notifications'. Below the header is a toolbar with 'Edit', 'Add', 'Filter', 'Import', and 'Export' buttons. The 'Import' button is highlighted, and a sub-menu is open showing options: 'Import from Pro Tools Memory Locations', 'Import from Media Composer Markers', 'Import from Media Uploader Link', 'Import from JSON', 'Import from PIX / CSV / EDL / SRT / EXCEL', and 'Transcribe from Selected Clips in Pro Tools'. Below the import options is a search bar labeled 'Search notes...' and buttons for 'Delete' and 'Delete All'. A 'Comments' dropdown menu is also visible. The main area contains a table of notes with columns: Status, Start, Length, Category, Author, Assignee, and Description. The table lists ten lines of dialogue with their respective start and end times. At the bottom of the interface, there's a 'Ready' status indicator and a 'Write comment...' input field.

Status	Start	Length	Category	Author	Assignee	Description
	0:01.000	0:03.000	Dialogue	SRT		This is the first line of the subtitle.
	0:05.000	0:02.000	Dialogue	SRT		Here's the second line.
	0:08.000	0:03.000	Dialogue	SRT		The third line comes here.
	0:12.000	0:02.000	Dialogue	SRT		Now we have the fourth line.
	0:15.000	0:03.000	Dialogue	SRT		Fifth line, almost halfway through.
	0:19.000	0:02.000	Dialogue	SRT		Sixth line, keep going.
	0:22.000	0:03.000	Dialogue	SRT		Seventh line, getting closer to the end.
	0:26.000	0:02.000	Dialogue	SRT		Eighth line, almost there.
	0:29.000	0:02.000	Dialogue	SRT		Ninth line, one more to go.
	0:32.000	0:03.000	Dialogue	SRT		Tenth line, this is the end.

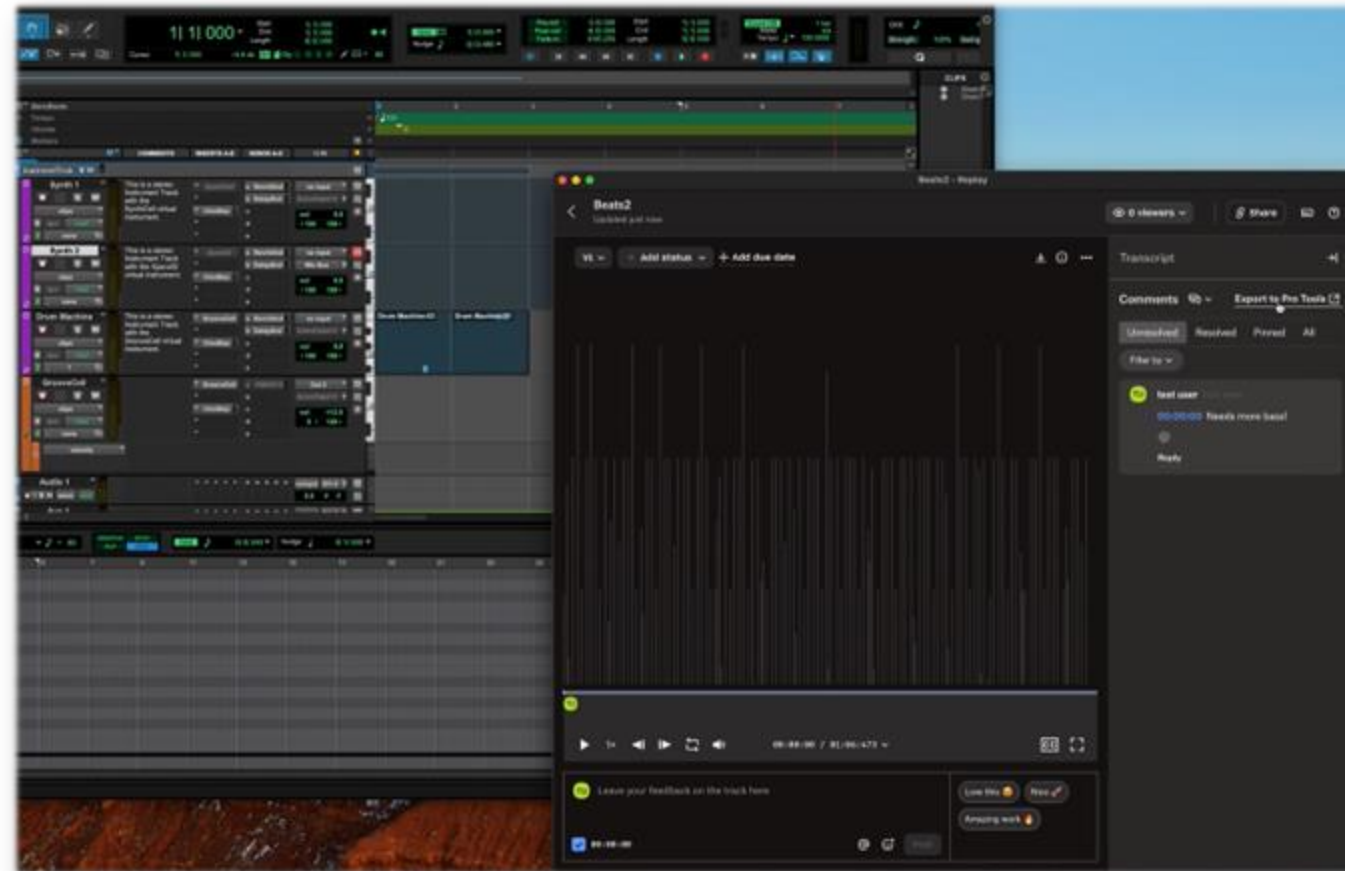
- Review and approval workflows with integration with Samply and Frame.io
- Import and Export Pro Tools Memory Locations
- Export Notes to Pro Tools Clip Groups
- Combination of SoundFlow scripting and Pro Tools Scripting SDK



# DROPBOX REPLAY INTEGRATION

Integrating Dropbox's Replay with Pro Tools (via Scripting SDK), enables audio professionals to save more time!

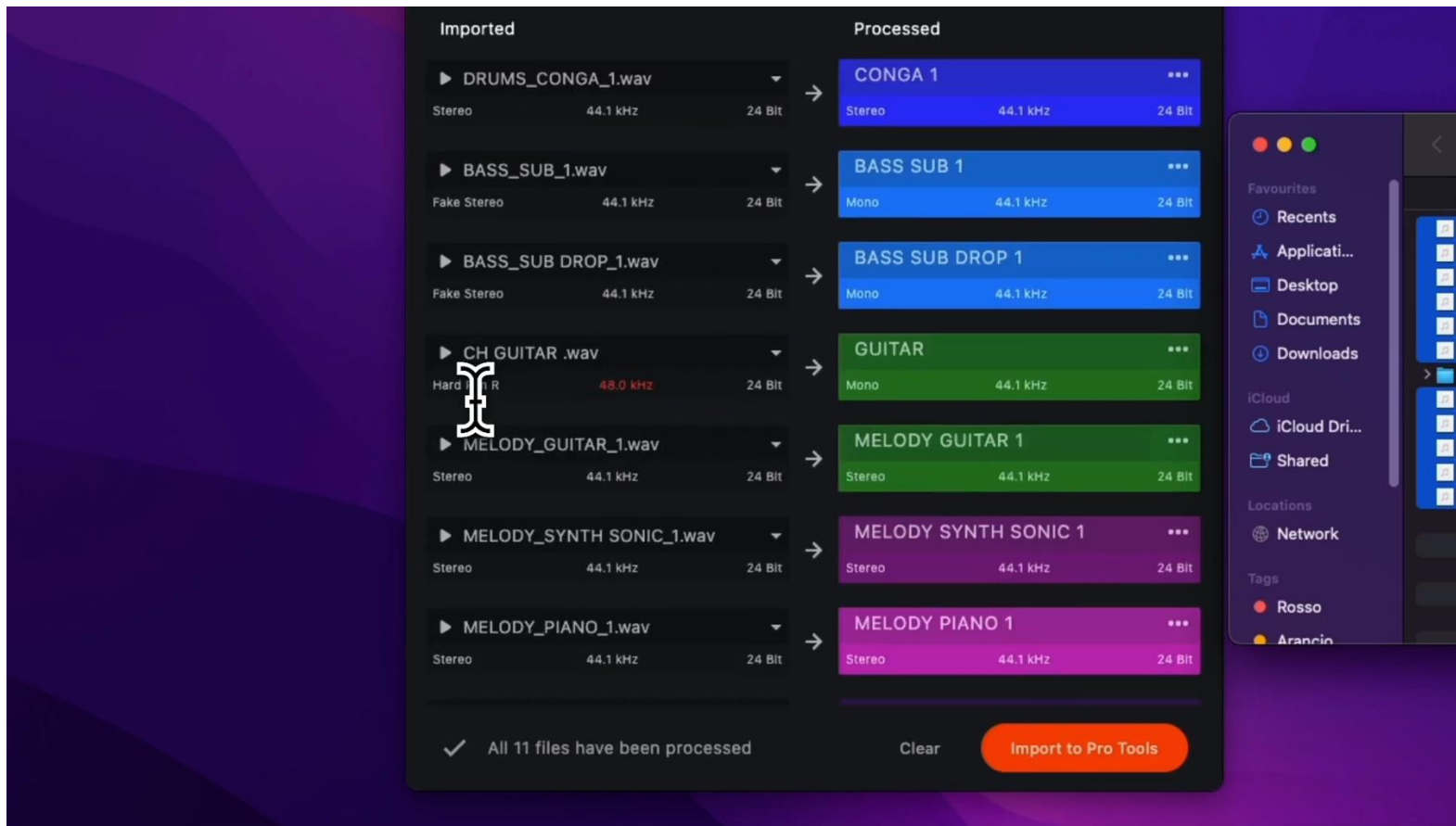
- Easily connect Replay to Pro Tools, share a mix, and get feedback
- Export Replay Comments to Pro Tools Memory Locations automatically
- Make changes to mix and get approval



# FORTE!

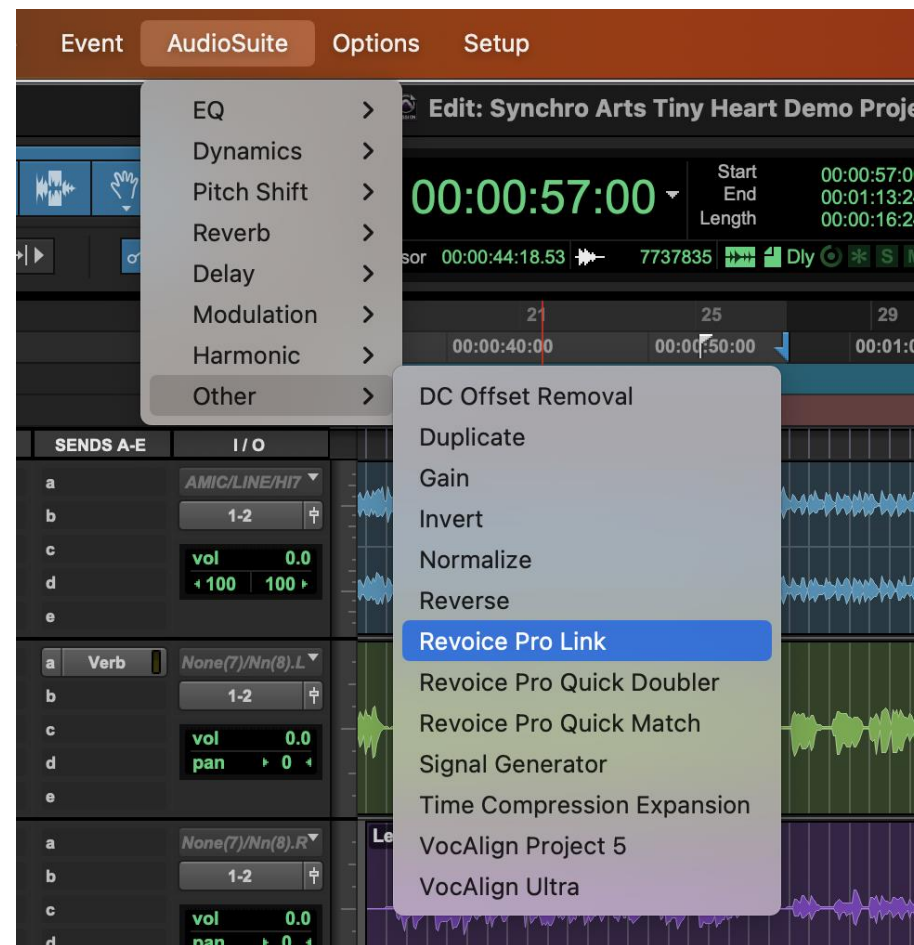
AI-powered assistant that automates tedious and repetitive tasks in the preparation of stems for mixing process

- Automates importing, organizing, coloring, Strip Silence and renaming tracks
- Integrates seamlessly with Pro Tools utilizing the Pro Tools Scripting SDK
- Tracks your actions and preferences, analyzing your workflow to understand your unique style.



# AUDIOSUITE

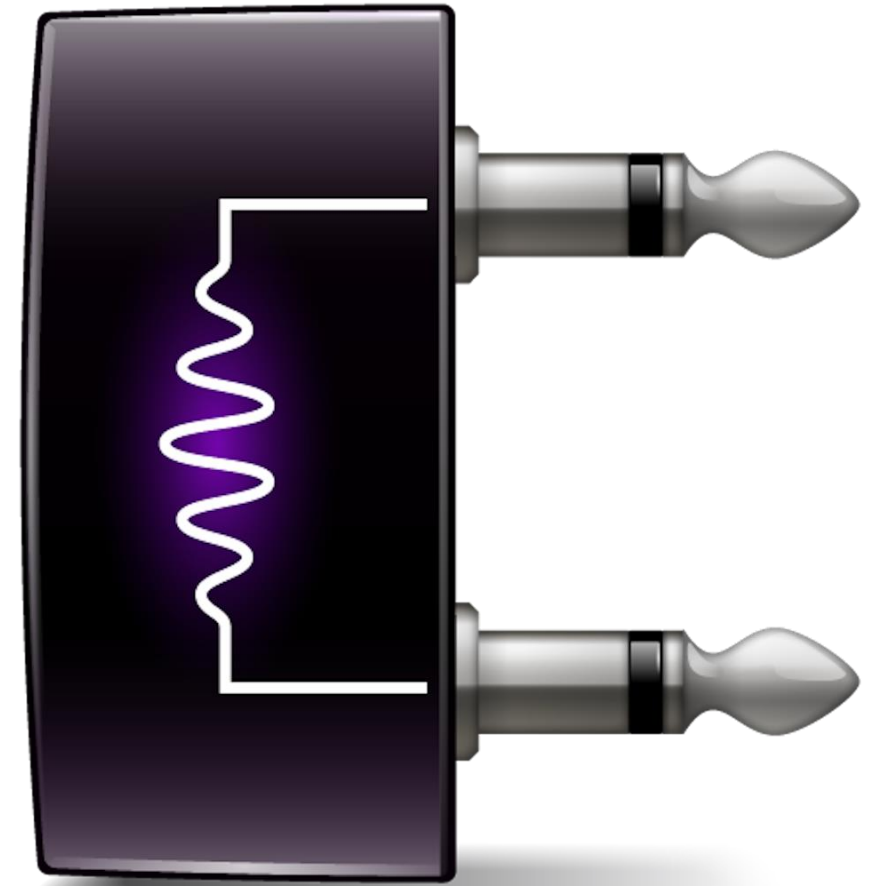
- The original host-based audio plugin processing format
- Offline processing of audio clips
  - Unique to Pro Tools
- Alternative uses
  - Transfer of audio to and from external applications
  - Selection-based audio analysis
- Enabling new workflows in 2024
  - Communicate with cloud services
    - E.g. Respeecher
  - Use in combination with Scripting SDK to create new possibilities
  - Not just in place – output can go to a different place, have different timing, be used for alignment, generation etc





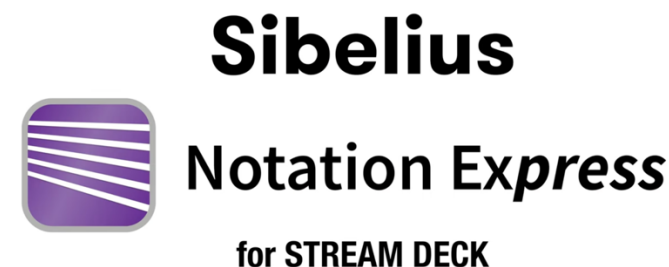
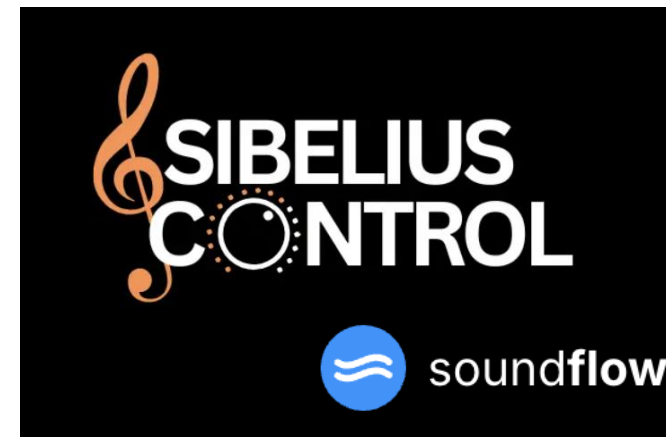
# LOOKING TO THE FUTURE: AAX PANEL PLUGIN

- Aim is to build a plugin that lives outside traditional track infrastructure
- Add-in to Pro Tools that can audition audio but is not linked to or dependent on any other part of the session
- Hosted in its own window to give developers an opportunity to provide a more integrated experience
- Potential workflows:
  - Media import/export
  - Preview
  - Communicate with external services
  - Automation via PTSL
  - Drag and drop



# SIBELIUS CONNECT

- Remotely control Sibelius via a websocket
- Send commands to Sibelius using built-in Manuscript plug-in language
- These can be daisy-chained, so you can trigger many commands at the same time, for example clean up a score:
  - Select All
  - Reset Note Spacing
  - Reset Space above and below staves
  - Optimize Staff Spacing
  - Return the view to the beginning of the score
  - Deselect
- Sibelius Control by Soundflow and NotationExpress both take advantage of Sibelius Connect to give control of Sibelius on Stream Deck and other devices



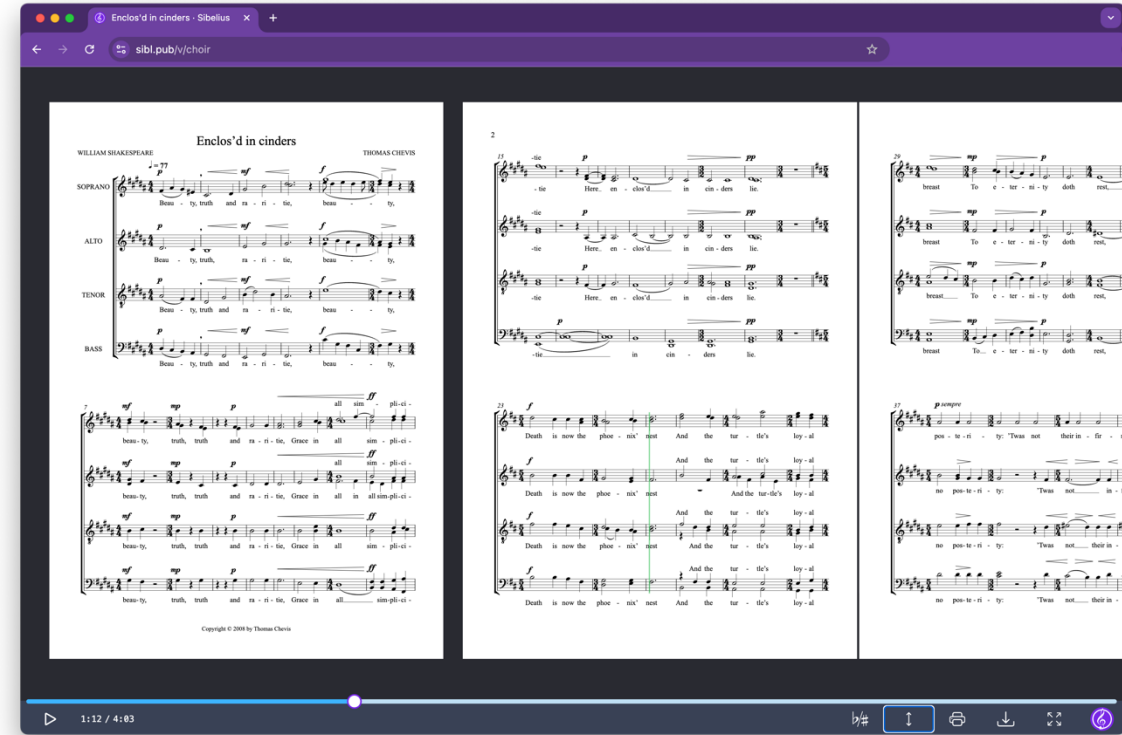
# SIBELIUS CLOUD

## Your Gateway to Digital Sheet Music

Bring the power of Sibelius music notation to your web applications

- All the power of Sibelius, wrapped in a simple to use set of REST APIs
- Present Sibelius scores in the web with rich sampled playback and transposition
- Works on any device with a web browser with no additional downloads required
- Share scores with users and open them in Sibelius for further work on any device (desktop or mobile)
- Drive rich experiences in digital store fronts
- Create new revenue streams from your sheet music

Get started here: [api.sibelius.avid.com/docs](https://api.sibelius.avid.com/docs)





WHAT'S NEXT...?







