

SWAP PAL

USER GUIDE



SMPTE ↔ **FILM**

by Diego De Pietri



WELCOME TO SWAP PAL

SWAP PAL is a professional macOS application designed to convert interleaved multichannel audio files between SMPTE and FILM channel layouts quickly and accurately. It combines automatic layout detection, waveform visualization, channel auditioning, and manual routing in a streamlined interface designed specifically for audio professionals.

MAIN FEATURES



AUTOMATIC LAYOUT DETECTION

Instantly identifies whether your file is in SMPTE or FILM channel order.



SMPTE ↔ FILM CONVERSION

Convert between SMPTE and FILM layout with a single click.



MANUAL CHANNEL ASSIGNMENT

Full manual control when files don't match standard channel orders.



SOLO AUDITION

Solo any channel to verify and identify content with precision.



WAVEFORM DISPLAY

Clear waveform display for visual verification of each channel.



WAV & AIFF SUPPORT

Works with 8-channel and 5.1 interleaved WAV and AIFF files.



STEREO & MONO SUPPORT

Supports stereo, mono and multichannel file formats.



UNIVERSAL BINARY

Optimized for Apple Silicon (M1, M2, M3 & Intel) on macOS 12 or later.

SMPTE ↔ **FILM**

SMPTE ORDER

The SMPTE standard is widely used in TV and broadcast. Channels are ordered:

L, R, C, LFE, Ls, Rs, Lt, Rt

This is the most common layout for 8-channel files.

FILM ORDER

The FILM standard is used in cinema and theatrical mixing. Channels are ordered:

L, C, R, Ls, Rs, LFE, Lt, Rt

SWAP PAL makes it easy to convert between SMPTE and FILM layouts instantly.

FAST. ACCURATE. RELIABLE.

Built for audio professionals, by an audio professional.

by Diego De Pietri

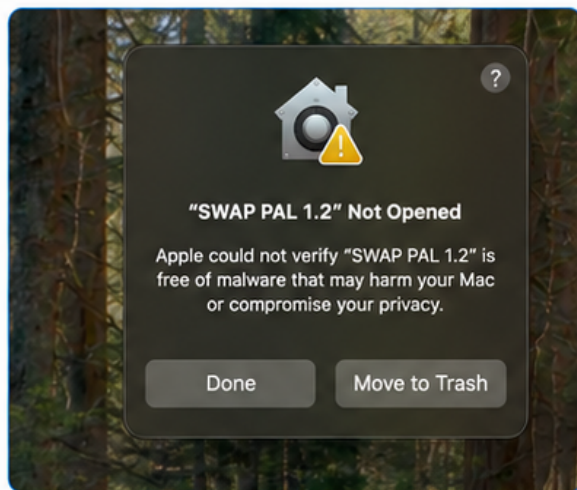


Getting Started

Opening SWAP PAL for the First Time

When SWAP PAL is launched for the first time, macOS Gatekeeper may display a security warning because the application is distributed directly by the developer rather than through the Mac App Store. This is expected behavior.

You only need to complete this procedure once.

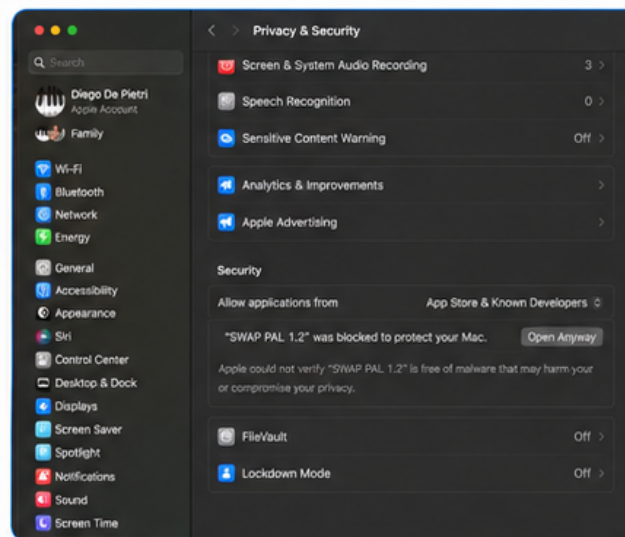


1 Launch SWAP PAL

Double-click the application.

macOS displays a security warning.

Click **Done**.



2 Open Privacy & Security

Open

System Settings →
Privacy & Security

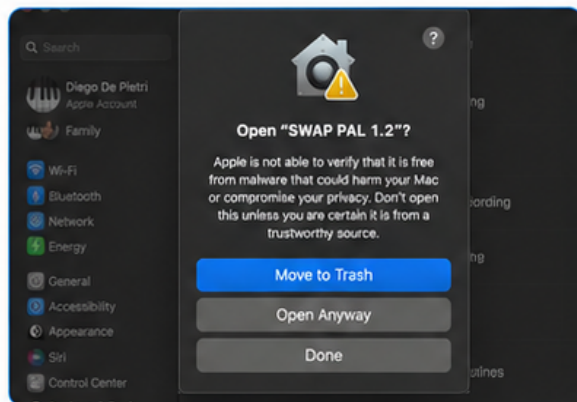
Scroll to the bottom.

You'll see

"SWAP PAL 1.2" was blocked
to protect your Mac.

Click

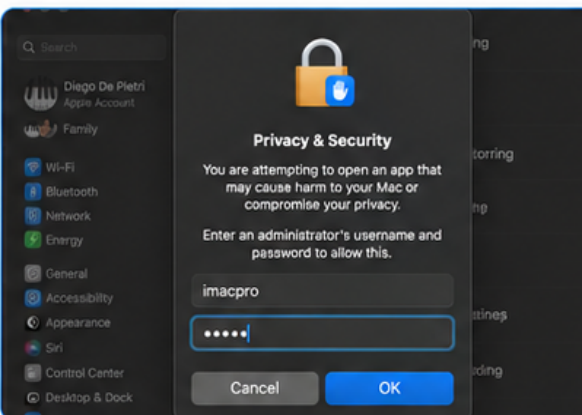
Open Anyway



3 Confirm

Click **Open Anyway**

This tells macOS that
you trust the application.



4 Authenticate

Enter your administrator
password.

Click **OK**

SWAP PAL is now authorized.

This procedure only needs to be
performed once.



Tip

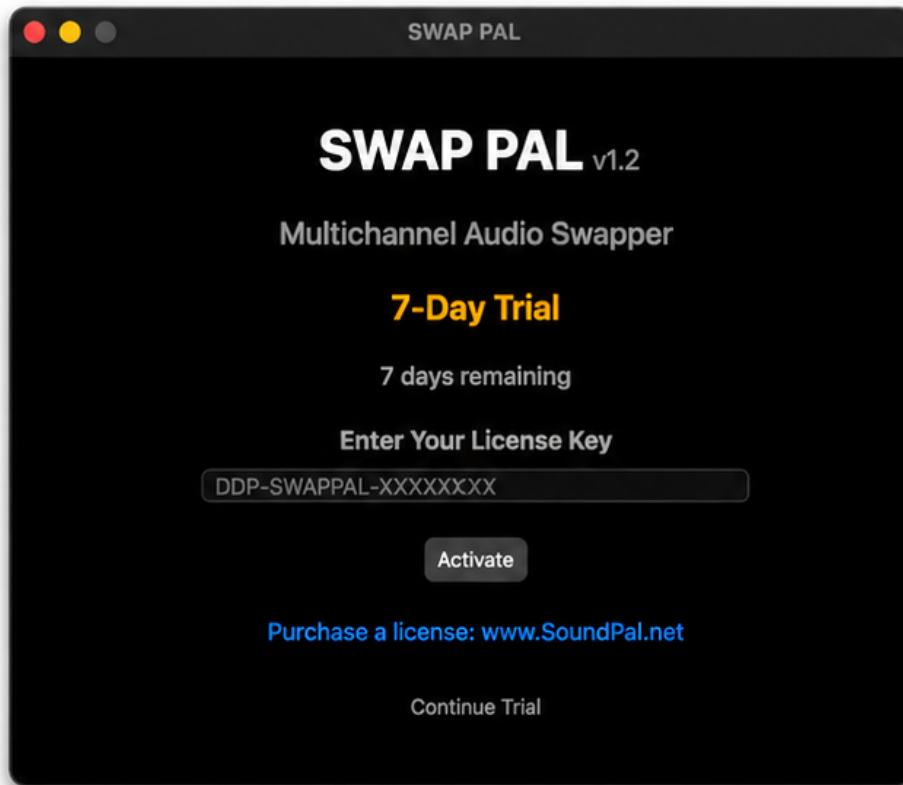
SWAP PAL never uploads your audio files. All processing is performed locally on your Mac for maximum privacy and speed.



Activating SWAP PAL

Unlock the full version or start a free 7-day trial.

SWAP PAL includes a fully functional 7-day trial. To continue using the application after the trial expires, activate it with your license key.



About SWAP PAL

Click the ? button in the upper-right corner of the main window at any time to view the About window.

1

Enter your License Key

Type or paste the activation key exactly as provided.

2

Activate

Click **Activate**.

An internet connection is required only during activation.

3

Trial Mode

If you don't have a license yet, click **Continue Trial**.

All application features remain available during the evaluation period.

4

Successful Activation

Once activated:

- Activation window disappears
- SWAP PAL launches automatically
- Future launches skip the activation screen



Tip

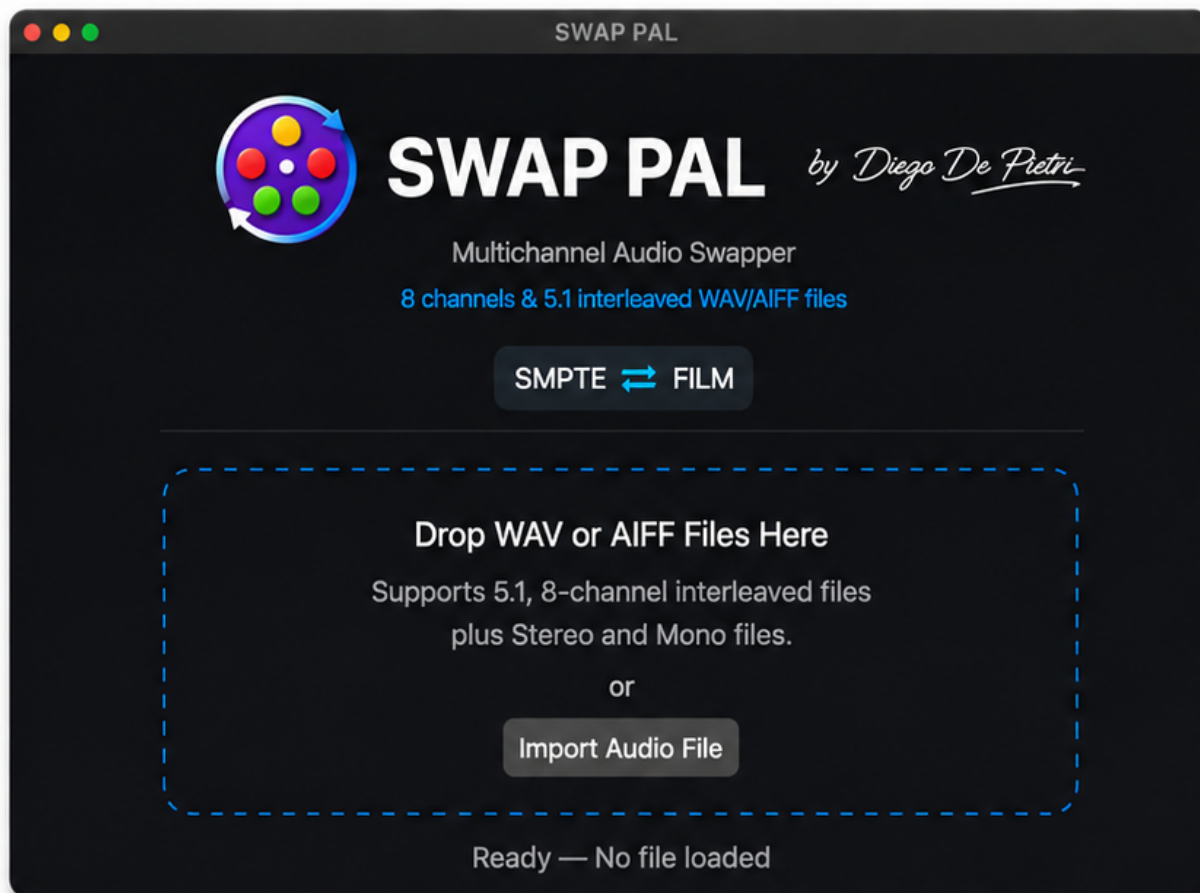
Keep a copy of your license key in a safe place. The activation key may be required again after reinstalling macOS or replacing your computer.



Welcome Screen

The SWAP PAL Workspace

The Welcome Screen is the central hub of SWAP PAL. From here you can import your audio files and access to the main screen.



1 Application Identity

Displays the SWAP PAL logo, version, and developer information.

2 File Drop Area

Drag and drop your interleaved WAV or AIFF file here.

Supports 5.1, 8-channel interleaved files plus Stereo and Mono files.

3 Import Audio File

Click to browse and select an audio file from your computer.

4 Status Bar

Shows the current status. When no file is loaded, it displays "Ready — No file loaded".



Supported Formats

SWAP PAL works with interleaved WAV (.wav) and AIFF (.aiff) files.

- Channel layouts: Stereo, Mono, 5.1 (6 channels) and 8 channels
- Bit depths: 16-bit, 24-bit, 32-bit
- Sample rates: 44.1 kHz, 48 kHz, 96 kHz



Importing Audio Files

Bring your audio into SWAP PAL

SWAP PAL supports importing interleaved WAV and AIFF audio files using either drag-and-drop or the Import button.

Supported formats include:

5.1 • 8-channel • Stereo • Mono

1 Import Button

Click **Import** to browse for an audio file using the standard macOS file dialog.

Supported file types:

- WAV (.wav)
- AIFF (.aiff)

2 Drag & Drop

Drag a supported audio file anywhere onto the waveform area.

The file loads immediately.

No additional confirmation is required.

3 Automatic Analysis

After loading a file, SWAP PAL automatically analyzes:

- Format
- Channel count
- Channel layout
- Sample rate
- Bit depth
- Duration
- File size

The Inspector updates automatically.

The screenshot shows the SWAP PAL application window. The title bar says 'SWAP PAL'. The main window has a dark theme. On the left, there's an 'Inspector' panel with the following information: Format: WAV, Sample Rate: 48 kHz, Bit Depth: 24-bit, Channels: 8, Duration: 00:29, File Size: 34.0 MB. Below the Inspector, there's a 'Select Layout' section with buttons for 'SMPTE', 'FILM', and 'MANUAL'. The 'FILM' button is highlighted. Below that, there's an 'OUTPUT METERS' section with a grid of meters for L, C, R, Ls, Rs, Lfe, Lt, and Rt. On the right, there's a 'File: 8CH FM.wav' section with a list of channels: S, L, C, R, Ls, Rs, Lfe, Lt, Rt. Each channel has a corresponding waveform. Below the channels, there's a 'Drop to Import' button. At the bottom, there's a '00:00:00:00' time display, a 'Detected FILM channel order' message, and a 'SWAP TO SMPTE' button. The 'IMPORT' button is at the bottom left.



Automatic Layout Detection

SWAP PAL automatically detects whether an imported multichannel file is in FILM or SMPTE order. Stereo and Mono files are also recognized automatically and configured for the appropriate workflow.



Inspector Panel

File Information at a Glance

The Inspector provides detailed technical information about the currently loaded audio file. It also displays the channel layout selection and output meters.

Inspector

- 1 **Format** WAV
- 2 **Sample Rate** 48 kHz
- 3 **Bit Depth** 24-bit
- 4 **Channels** 8
- 5 **Duration** 00:29
- 6 **File Size** 34.0 MB

Select Layout

7 **SMPTE** **FILM** MANUAL

OUTPUT METERS

8 L C R Ls Rs Lfe Lt Rt

File: 8CH FM.wav

S L C R Ls Rs Lfe Lt Rt

00:00:00:00 Drop to Import

Detected FILM channel order

IMPORT

Vol

SWAP TO SMPTE



Tip

The Inspector is automatically updated every time a new audio file is imported. No manual refresh is required.

1 Audio Format

Displays the file format.

Examples:

- WAV
- AIFF

2 Sample Rate

Displays the sample rate of the imported audio.

Supported values include:

- 44.1 kHz
- 48 kHz
- 96 kHz

3 Bit Depth

Displays the file bit depth.

Supported values include:

- 16-bit
- 24-bit
- 32-bit

4 Channels

Shows the number of channels detected.

Examples:

- 5.1 (6 channels)
- 8-channel
- Stereo
- Mono

5 Duration

Displays the total running time.

6 File Size

Shows the size of the imported audio file.

7 Layout Selection

Choose how channels are interpreted:

- SMPTE
- FILM
- MANUAL

These controls do not modify the original file until you export.

8 Output Meters

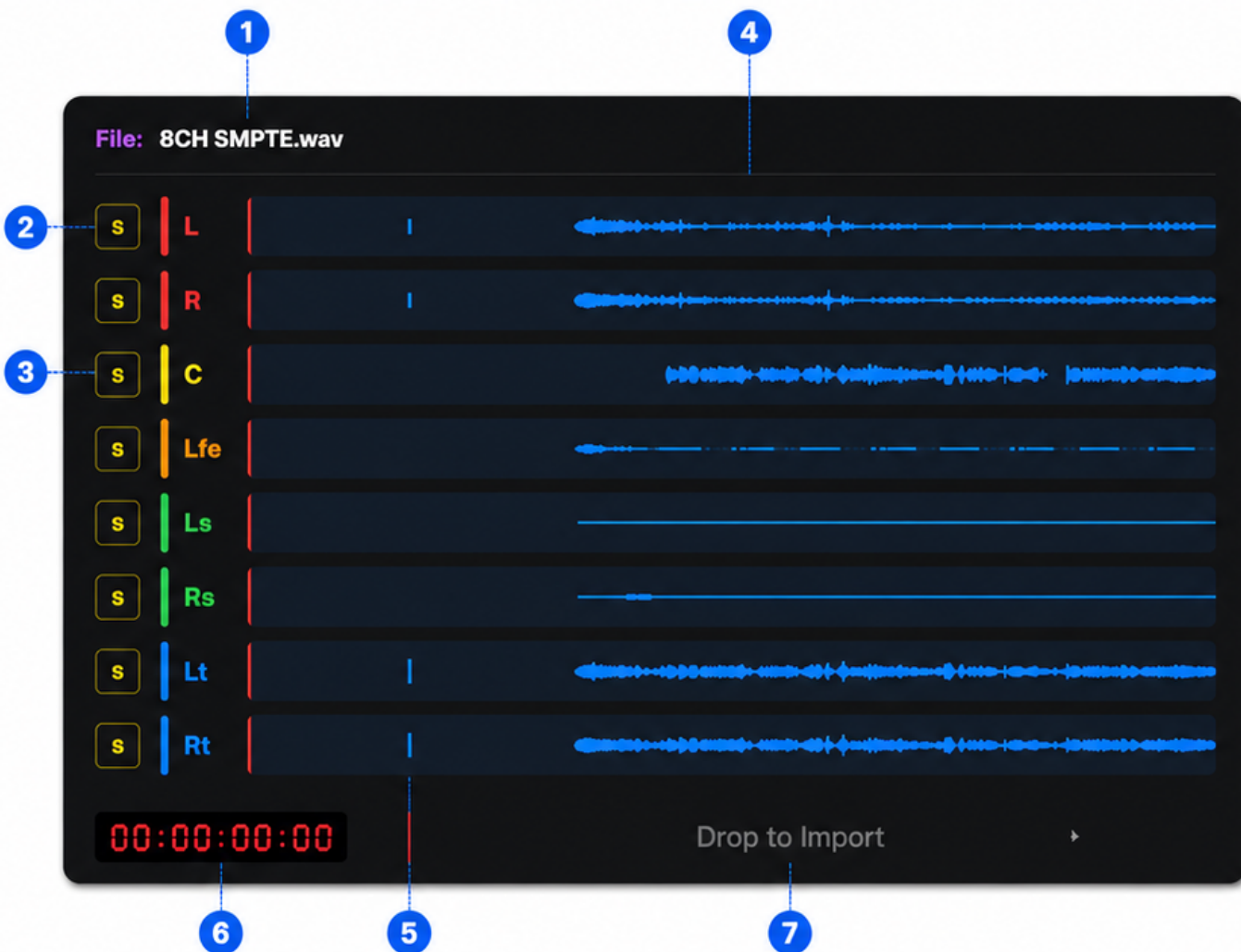
The output meters display the level of each output channel during playback, allowing you to verify routing before exporting.



Waveform Display

Visual Overview of Your Audio

The Waveform Display shows all channels of the imported file as interleaved waveforms. Each row represents one output channel after the selected layout is applied.



Tip

The waveform display is for visual reference only. It does not affect the audio data. Use SOLO (S) and the playback controls to audition each channel.

1 File Name

Displays the name of the loaded audio file.

2 Solo (S)

Click the S button to solo (listen to) that channel. Only the selected channel will be heard.

3 Channel Label

Shows the channel name according to the currently selected layout (SMPTE, FILM, or MANUAL).

SMPTE example:

L • R • C • Lfe • Ls • Rs • Lt • Rt

4 Waveform

Visual representation of the audio signal for each channel.

The window can be re sized horizontally for larger display area.

5 Timeline / Playhead

The vertical red line indicates the current play position.

6 Time Display

Shows the current timecode position of the playhead.

7 Drop Area

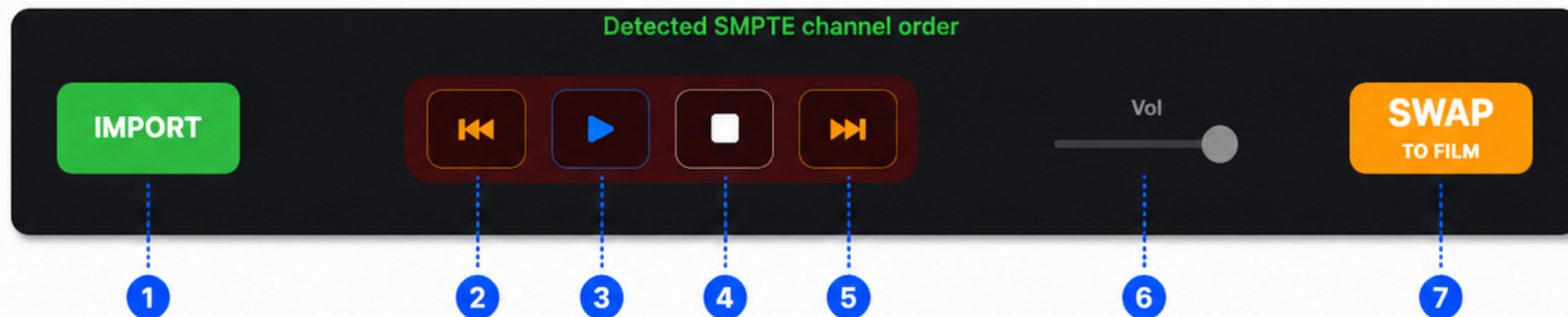
Drag and drop a supported audio file anywhere on this area to load it.



Playback Controls

Audition and Navigate Your Audio

The Transport Bar provides quick access to playback, navigation, import, and channel swapping functions.



1 Import

Imports a new WAV or AIFF file into SWAP PAL.

Importing a new file automatically stops any current playback.

2 Rewind

Moves the playhead backward.

- Click once for a single step.
- Hold the button for continuous rewind.

Keyboard Shortcut
← Left Arrow

3 Play / Pause

Starts or pauses playback.

Playback always resumes from the current playhead position.

Keyboard Shortcut
Spacebar

4 Stop

Stops playback and returns the playhead to the beginning of the file.

5 Fast Forward

Moves the playhead forward.

- Click once for a single step.
- Hold the button for continuous forward movement.

Keyboard Shortcut
→ Right Arrow

6 Volume

Adjusts playback volume only.

This control does not affect exported audio files.

7 Swap Button

Converts the loaded file between:

- SMPTE → FILM
- FILM → SMPTE
- Stereo → Mono
- Mono → Stereo

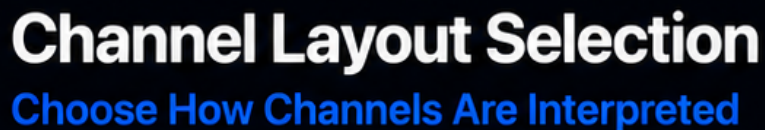
The button label changes automatically depending on the detected channel layout.



Tip

Playback navigation and SOLO monitoring allow you to verify every channel before exporting.

All playback operations are completely non-destructive.



The Layout Selector determines how SWAP PAL interprets and displays multichannel audio. Selecting a different layout updates the channel labels immediately without modifying the original audio file.

1 SMPTE

L • R • C • LFE • Ls • Rs (for 5.1)

2 FILM

L • C • R • Ls • Rs • LFE (for 5.1)

3 MANUAL

- Non-standard layouts
- Unknown channel orders
- Special delivery requirements

4 Instant Update

Playback continues without interruption.

Changing the layout does not modify the source audio file.
It only changes how SWAP PAL interprets the channels until the file is exported.



SOLO Monitoring

Listen to Each Channel Independently

SOLO allows you to audition one channel at a time to verify content, check routing, and identify issues before exporting.

File: 8CH SMPTE.wav

1 S L

S R

S C

S Lfe

S Ls

S Rs

S Lt

S Rt

2

3 00:00:12:15

Drop to Import

1 SOLO (S) Button

Click the S button next to any channel to SOLO (listen to) that channel exclusively.

The selected button glows to indicate SOLO is active. Click again to deactivate SOLO.



Note: Only one channel can be SOLOed at a time. Activating another SOLO will automatically disable the previous one.

2 Channel Waveform

When SOLO is active, only the selected channel's audio is heard.

All other channels are muted while the waveform display remains visible for reference.

3 Timecode

The timecode continues to run and shows the current playhead position while SOLO monitoring.

4 Why Use SOLO?

SOLO is essential for:

- Verifying channel content
- Checking for phase or routing issues
- Confirming dialog, music, effects, and LFE
- Quality control before exporting

5 Keyboard Shortcut

While the mouse is in the waveform area, you can use number keys 1–8 to SOLO channels quickly:

1	2	3	4	5	6	7	8
L	R	C	LFE	Ls	Rs	Lt	Rt

(This follows the current layout order.)



Tip

Use SOLO in combination with playback and scrubbing to quickly verify dialog, music, effects, and LFE content on every channel.

All SOLO operations are non-destructive and do not affect the exported file.



Swapping Channels

Instantly Convert Between SMPTE and FILM Channel Layouts

SWAP PAL automatically detects the channel order of the imported multichannel audio file and allows you to convert between SMPTE and FILM layouts with a single click. The entire process is non-destructive, allowing you to verify the new channel order before exporting.

The screenshot shows the SWAP PAL application window. The title bar says 'SWAP PAL'. Inside, the top left has 'by Diego De Pietri' and the logo. The main area is divided into an 'Inspector' on the left and a central display. The Inspector shows file details: Format (WAV), Sample Rate (48 kHz), Bit Depth (24-bit), Channels (8), Duration (00:29), and File Size (34.0 MB). Below this are 'Select Layout' buttons for SMPTE, FILM, and MANUAL. At the bottom left are 'OUTPUT METERS' for L, R, C, Lfe, Ls, Rs, Lt, and Rt. The central display shows a file named '8CH a FM_SWAP_TO_SMPTE.wav' with a list of channels (S, L, R, C, Lfe, Ls, Rs, Lt, Rt) and their corresponding waveforms. A red vertical line indicates the current playback position. At the bottom, there's a time display (00:00:15:08), a 'Drop to Import' button, a 'New Swapped File Displayed' message, and a 'SWAP TO FILM' button. Playback controls (stop, play, previous, next) and a volume slider are also present.

1 SWAP Button

Click SWAP TO FILM or SWAP TO SMPTE to instantly reorder the channel layout.

After each successful conversion, the button automatically changes to display the opposite conversion.

2 Automatic Layout Detection

SWAP PAL automatically detects whether the imported file is in SMPTE or FILM channel order.

No manual configuration is required before performing a standard channel swap.

3 Swapped Waveform Display

Once the swap is complete:

- The waveform changes to gold.
- The updated channel order is displayed.
- The original imported file remains unchanged.

4 Confirmation Message

A status message confirms that the swapped version is currently being displayed.

Importing another audio file automatically replaces the current swapped view.

5 Playback Verification

Use the transport controls together with the SOLO buttons to verify every channel before exporting.

Playback and channel monitoring remain fully available after the swap.

6 Inspector Updates

After the conversion, the Inspector continues displaying the audio properties while the selected layout and output meters reflect the new channel order.



Tip

SWAP PAL never modifies the original imported audio file. Every swap operation creates a new converted version that can be reviewed, played back, and verified before exporting.

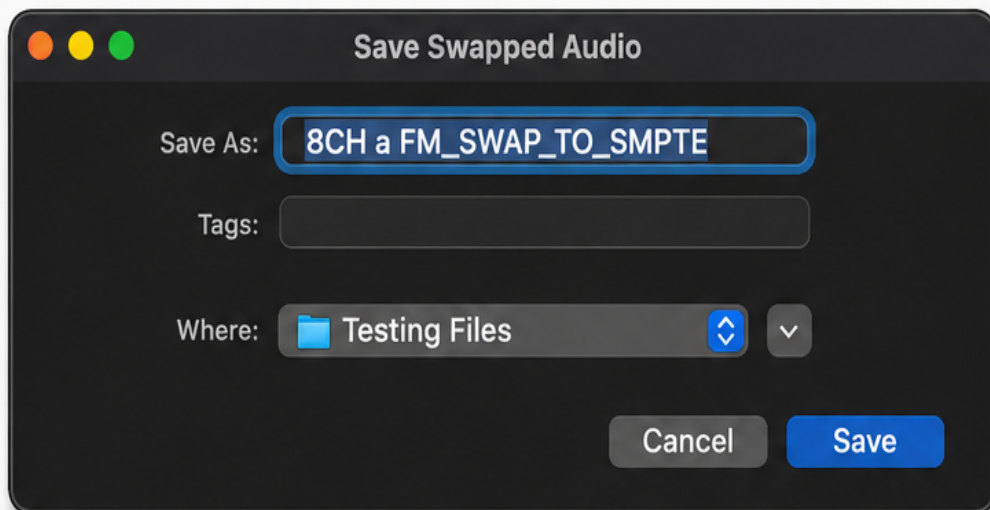


Exporting Audio Files

Save Your Converted Audio

Once you've verified the channel layout and playback, SWAP PAL exports a new audio file while preserving the original source file.

The exported file retains the original audio quality, sample rate, bit depth, and file format.



Export Confirmation Messages

SMPTE Export →

Swapped: 8CH a FM_SWAP_TO_SMPTE.wav

FILM Export →

Swapped: 8CH b SM_SWAP_TO_FILM.wav

Stereo/Mono Export →

Mono files exported

Tip

Exported files preserve:

- Original file format (WAV or AIFF)
 - Sample rate
 - Bit depth
 - Number of channels
 - Audio quality
- Only the channel order changes when applicable.

Manual Layout Export

When MANUAL layout is selected, the order of the selected channels will be exported as individual mono files.

At least one channel must be selected to enable the Export button.

1 Export Command

Click Export after verifying the channel layout and playback. SWAP PAL prepares a new audio file using the current layout.

2 Save Dialog

Choose a file name and destination folder, then click Save.

The original imported file is never overwritten.

3 Automatic File Naming

SWAP PAL automatically appends a suffix describing the conversion.

Examples:

- _SWAP_TO_FILM
- _SWAP_TO_SMPTE

This helps distinguish exported files from the originals.

4 Export Confirmation

When the export finishes successfully, SWAP PAL displays a green confirmation message. Different messages are shown depending on the exported format or conversion performed.

5 Original File Protection

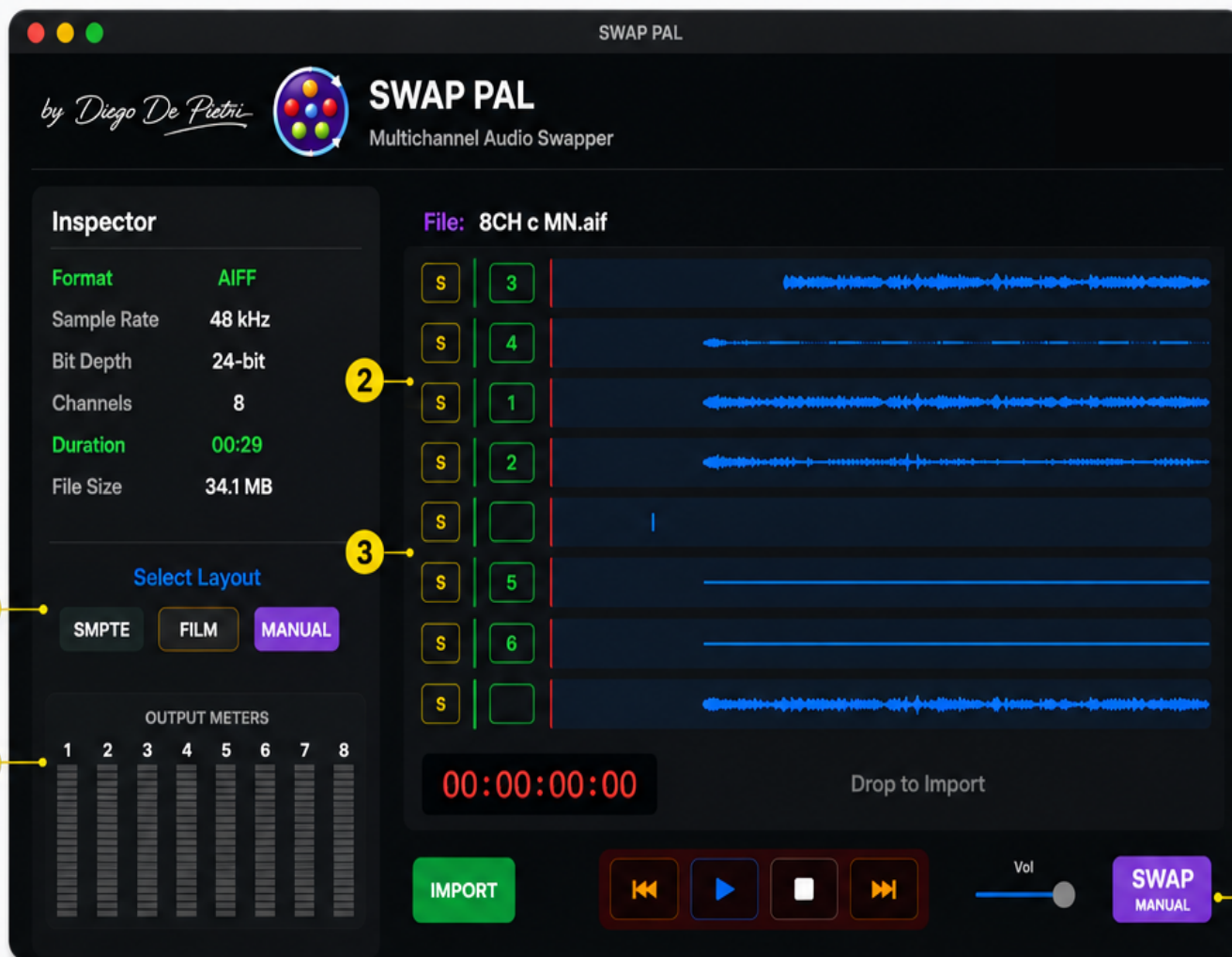
Exporting always creates a new audio file. Your original recording remains completely unchanged.



Manual Channel Assignment

Create Your Own Output Channel Order

Manual Mode allows you to assign any input channel to any output position, making it possible to create completely custom channel layouts or export selected channels as individual mono files.



1 MANUAL Layout

Select MANUAL to enable custom channel assignments. Unlike SMPTE and FILM modes, channel order is entirely user-defined.

2 Channel Assignment Boxes

Each numbered box represents the output position for that channel. Click a box to assign any available input channel. Each input channel can only be assigned once.

3 Empty Assignments

Blank assignment boxes indicate channels that will not be exported. This allows you to export only the channels you need.

4 Output Meter Labels

The output meters automatically update to reflect the assigned output channel numbers. This provides a visual confirmation of the exported channel order.

5 SWAP MANUAL

Click SWAP MANUAL to generate a custom channel layout using the current assignments. The resulting layout can be reviewed before exporting.

6 SOLO Monitoring

Each output channel can still be monitored individually using the SOLO buttons before export.



Tip

Manual Mode is ideal for creating custom deliverables, extracting specific channels, or preparing audio for workflows that require individual mono files instead of an interleaved multichannel file.

Manual Export

- The assigned channels are exported as individual mono WAV or AIFF files.
- Files are exported in the exact order shown by the assignment numbers.
- Unassigned channels are ignored during export.
- At least one channel must be assigned before the Export button becomes available.



Playback Navigation

Navigate Audio Quickly

SWAP PAL provides several ways to move through your audio, making it easy to locate and verify any point before exporting.

1. Click to Seek

Click anywhere on the waveform to instantly move the red playback cursor to that position.



2. Drag for Precision

Click and drag the red playback cursor freely to locate the exact playback position.



3. Time Display

The time display updates continuously as the playback cursor moves.



Fast Navigation

Click for large movements.
Drag the playback cursor
for frame-accurate positioning.



Recommended Workflow

- 1 Import your file
- 2 Click or drag to the desired location
- 3 Press Spacebar to play
- 4 SOLO channels as needed
- 5 Export when finished

1



Click to Seek

Click anywhere on the waveform to instantly move the red playback cursor to that location. Playback starts from the selected point.

2



Drag for Precision

Click and drag the red playback cursor freely to locate the exact playback position. This makes it easy to inspect edits, transients, or synchronization points.

3



Time Display

The time display updates continuously as the playback cursor moves. It reflects hours, minutes, seconds, and frames.

4



Playback

Press **Spacebar** to start or pause playback from the current cursor position.

5



Shuttle

Use the **Left** and **Right Arrow** keys, or the transport buttons, to shuttle backward and forward through the audio.

6



SOLO Verification

While navigating, any channel can be SOLOed to verify individual content without changing the playback position.



Keyboard Shortcuts

Work Faster. Stay in Control.

SWAP PAL includes essential keyboard shortcuts for playback, navigation, and monitoring. These shortcuts help you work more efficiently without taking your hands off the keyboard.

PLAYBACK CONTROLS

Action	Shortcut
 Play / Pause	Spacebar
 Shuttle Back (hold)	←
 Shuttle Forward (hold)	→
 Stop	■
 Fast Rewind	⏮
 Fast Forward	⏭

NAVIGATION

Action	Shortcut
 Seek to Position (click waveform)	Click
 Fine Positioning (drag cursor)	← → Drag

★ Click for large movements. Drag the playback cursor for precise positioning.

SOLO KEYS

Action	Shortcut			
SOLO Output Channels				
Press a number key to SOLO the corresponding output channel.	1	2	3	4
	5	6	7	8

 Press the same number key again to disable SOLO.

Number keys follow the currently selected layout order.
(SMPTE, FILM, or MANUAL)

MOUSE ACTIONS

Action	Result
Click in Waveform	Moves the red playback cursor to the clicked position.
Drag Red Playback Cursor	Moves the cursor freely for precise positioning.
Click SOLO Button (S)	Enables or disables SOLO for that channel.
Click Layout Button	Selects SMPTE, FILM, or MANUAL layout.

QUICK TIPS

- ✓ **Use Spacebar**
The fastest way to start or pause playback from any position.
- ✓ **Shuttle with Arrows**
Hold the **Left** or **Right Arrow** keys to scrub through the audio quickly.
- ✓ **SOLO to Verify**
Use number keys to SOLO each channel and verify content.
- ✓ **Seek Anywhere**
Click or drag the red playback cursor in the waveform to locate any point.
- ✓ **Shortcuts Work Best**
Keyboard shortcuts work when the **SWAP PAL** window is **active**.

REMEMBER

All shortcuts are designed to keep you in your creative flow. Use them often to build speed and accuracy.



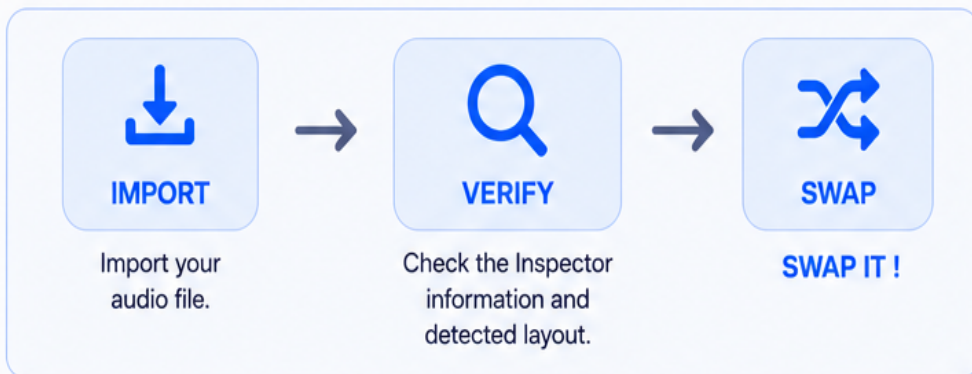
Tips & Best Practices

Get the best results from SWAP PAL with these recommended workflows.

Following these tips will help you work efficiently and deliver accurate, professional results every time.



Recommended Workflow



Before Exporting

- ✓ Confirm the detected layout.
- ✓ Check the Inspector information.
- ✓ Listen to the imported file.
- ✓ SOLO any channels you wish to verify.
- ✓ Confirm the destination filename.
- ✓ **Swap It !**



Professional Workflow

- 1** Import the original mix.
- 2** Verify the detected layout.
- 3** Swap to the required channel order.
- 4** Review the output using SOLO.
- 5** Perform a final QC pass before delivery.



Audio Verification Tips

Always preview the swapped file **before exporting**. Even though **SWAP PAL** preserves all audio data, listening to the output ensures the channel order matches your delivery requirements.



Naming Conventions

Use descriptive filenames.

Examples: `Movie_5.1_Film.wav`
`Movie_5.1_SMPTE.wav`
`Dialogue_Manual.wav`

This makes different deliverables easier to identify later.



Manual Mode

Only assign the channels you actually need. Leaving unused outputs blank keeps exported mono deliverables clean and organized.



Inspector

The **Inspector** provides a quick confirmation that the imported file matches your expectations before you begin working.



Troubleshooting

Quick Solutions to Common Issues

A clean reference page to help resolve the most common questions when using SWAP PAL.

Problem

Possible Cause



File cannot be imported

Unsupported format or corrupted file.



No audio during playback

SOLO active on an empty channel.



Only one channel is heard

A SOLO button is active.



Incorrect channel order

Wrong layout selected (SMPTE / FILM / MANUAL).



Manual Export unavailable

No output channels assigned.



Import Problems

Verify that the file is:

- WAV or AIFF
- 8-channel Interleaved
- 5.1 Interleaved
- Stereo
- Mono

If an unsupported file is tried to be imported, a red error message will show:

Import failed: Unsupported file



Playback Problems

- Check the Volume slider.
- Verify no unwanted SOLO button is active.
- Press **Stop**, then **Play** again.



Swap Problems

If the output channel order is not what you expected:

- Verify the detected layout.
- Select the correct destination layout.
- Review the waveform labels before exporting.



Remember

SWAP PAL **never modifies** your original audio file.
Every export creates a new audio file, preserving the original recording.



Still need help?

Visit www.SwapPal.net
for updates, documentation, and support.



Technical Specifications

Supported Formats & System Requirements

SWAP PAL is a native macOS application designed for professional audio workflows.



AUDIO SUPPORT

Feature	Specification
 Audio Formats	WAV, AIFF
 Channel Layouts	Mono, Stereo, 5.1 Interleaved, 8-channel Interleaved
 Bit Depths	16-bit, 24-bit, 32-bit
 Sample Rates	44.1 kHz, 48 kHz, 96 kHz



SUPPORTED CONVERSIONS

- ✓ SMPTE ⇌ FILM
- ✓ Stereo ⇌ Mono
- ✓ Manual Channel Assignment
- ✓ Individual Mono Export



IDEAL FOR



SYSTEM REQUIREMENTS

Operating System

- ✓ macOS 12 Monterey
- ✓ macOS 13 Ventura
- ✓ macOS 14 Sonoma
- ✓ macOS 15 Sequoia
- ✓ **macOS 26 Tahoe**
(New!)

Processor

- ✓ Intel Macs
- ✓ Apple Silicon
 - M1
 - M2
 - M3
 - M4

Application Features

- ✓ Native macOS Application
- ✓ Universal Binary
- ✓ Apple Silicon Optimized
- ✓ Drag & Drop Support
- ✓ Real-Time Playback
- ✓ Real-Time SOLO Monitoring
- ✓ Instant Channel Swapping



AUDIO INTEGRITY

SWAP PAL **never** changes:



Audio
quality



Sample
rate



Bit
depth



Duration



File
format



Audio
content

Only the **channel order** changes when applicable.



NOTES

- Original files are never modified.
- Exported files preserve the original audio quality.
- Manual Mode exports individual mono WAV or AIFF files.
- Compatible with Intel and Apple Silicon Macs.



SWAP PAL

Version 1.2

Professional Multichannel Audio Swapper



DEVELOPED BY

Diego De Pietri

Composer • Re-Recording Mixer • Audio Engineer



Three-time Emmy® Award Winner



Twelve-time Emmy® Nominee



ABOUT SWAP PAL

SWAP PAL was created to simplify multichannel audio channel conversion for professionals working in film, television, broadcast, music production, and post-production.

Designed with speed, accuracy, and simplicity in mind, SWAP PAL provides instant conversion between SMPTE, FILM, Stereo, Mono, and Manual channel layouts while preserving the integrity and quality of the original audio.

Built by an audio professional for audio professionals.



SUPPORT & UPDATES



www.SwapPal.net



ACKNOWLEDGEMENTS

Special thanks to the editors, mixers, sound designers, engineers, and post-production professionals whose feedback and suggestions helped shape SWAP PAL.



THANK YOU

Thank you for choosing SWAP PAL.

We hope it becomes an essential part of your daily audio workflow.



Making multichannel audio conversion simple, fast, and reliable.





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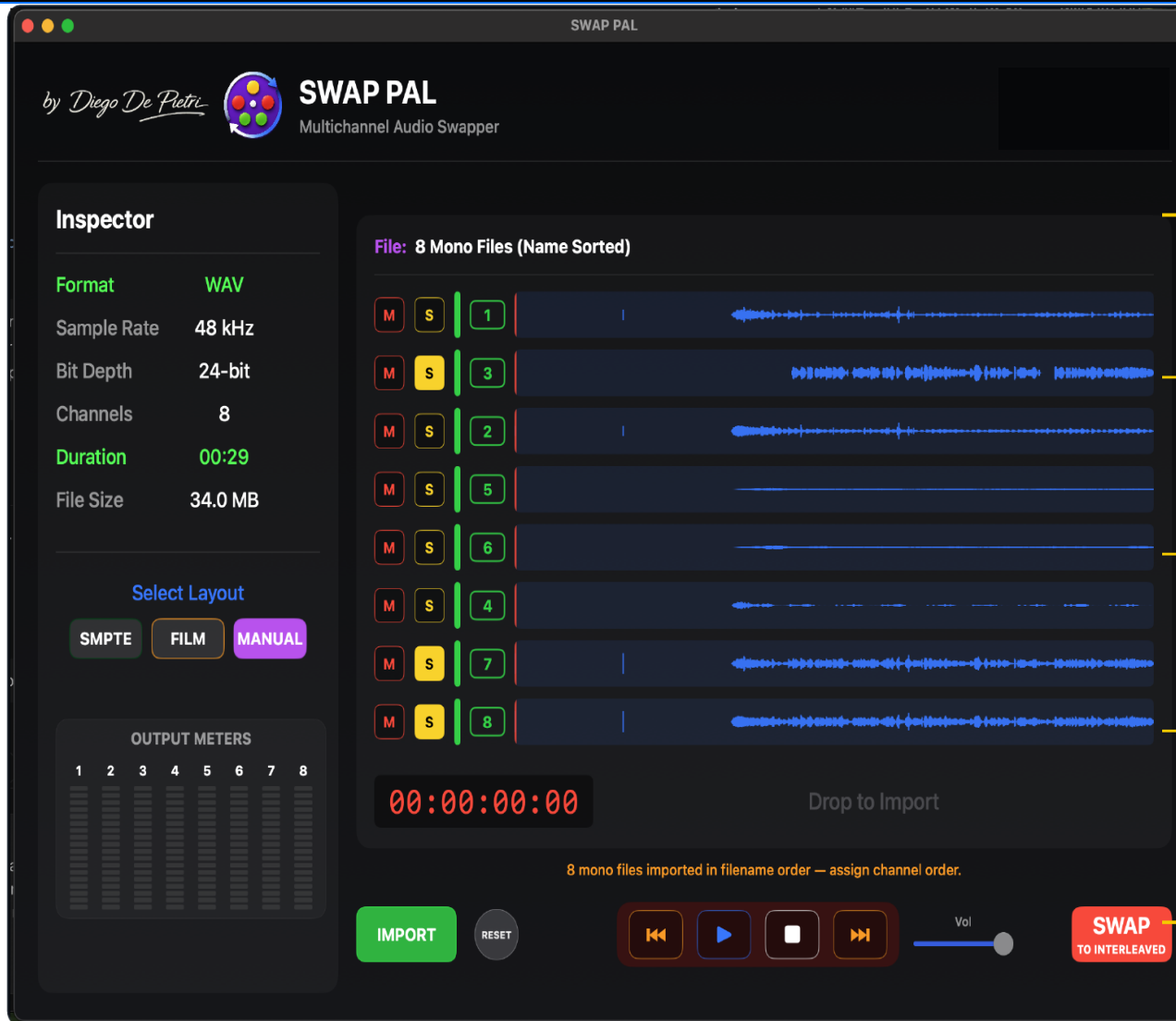
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v 1.4 Feature Updates

Multi-Mono to Interleaved

Import six or eight separate mono files, define the channel order, and create one interleaved 5.1 or 8-channel master.



1 Import 6 or 8 Mono Files

Choose six or eight mono WAV/AIFF files together. Files are loaded in numeric or alphabetic filename order.

2 MANUAL Layout

MANUAL is selected automatically. Each waveform row represents one imported mono source file.

3 Assign Channel Order

Use the green assignment boxes to choose the output position for every source channel.

4 Monitor Before Export

Use MUTE or SOLO while checking the files. Command-click SOLO to monitor several channels together.

5 SWAP TO INTERLEAVED

The red button creates the interleaved file and adds `_SWAP_TO_INTERLEAVED` to its filename.



Before Importing

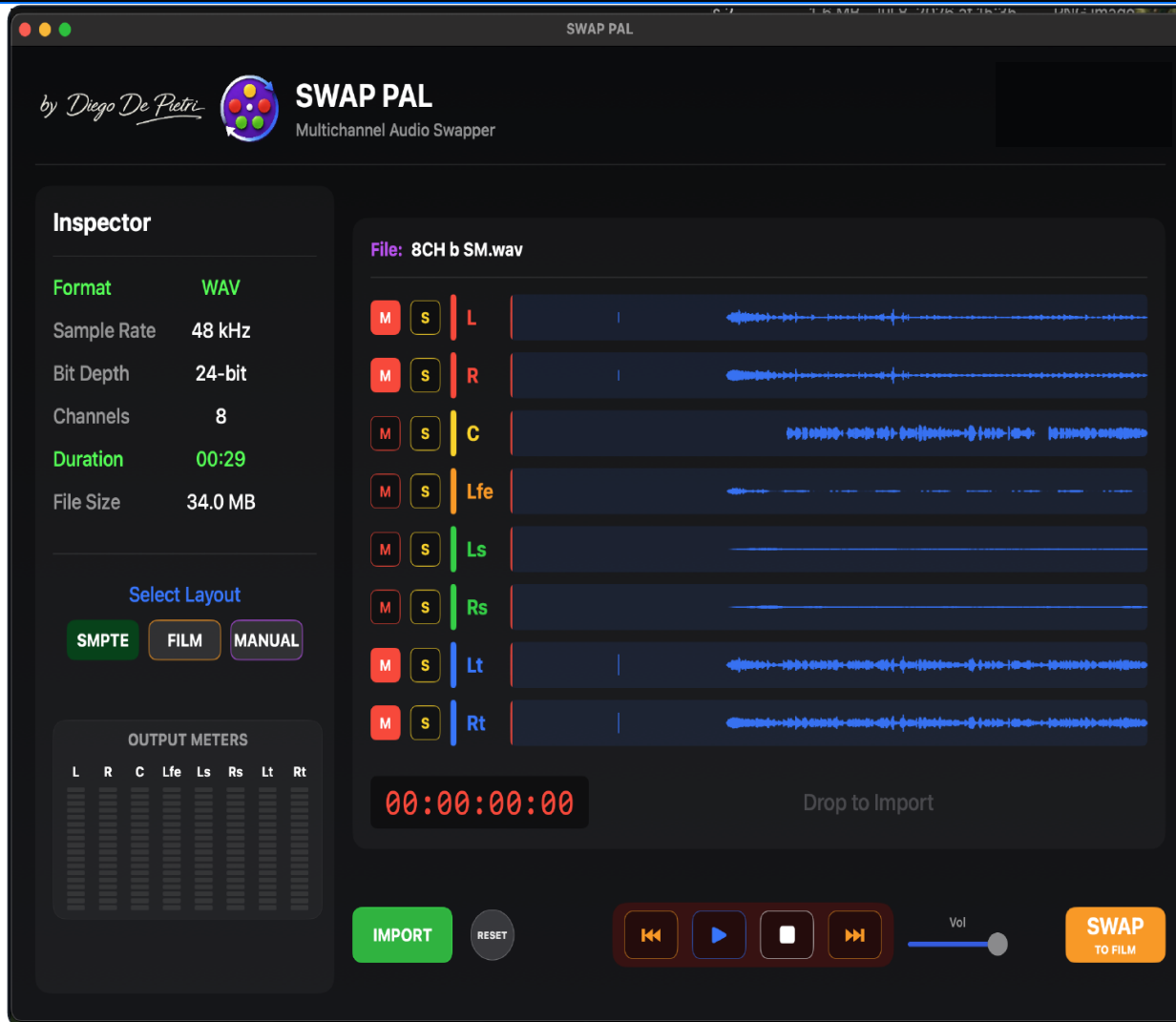
- All source files must be mono and use the same sample rate, duration, and format.
- Select exactly 6 files for 5.1 or exactly 8 files for an 8-channel interleaved output.



v 1.4 Feature Updates

Monitoring & Workspace Controls

Channel MUTE, Multi-SOLO, RESET, and Skip to Workspace make monitoring and session changes faster from the mouse or keyboard.



1 MUTE Each Channel

Click the red M button to silence a channel. Multiple channels can be muted at the same time.

2 MUTE Shortcuts

Press Shift + 1-8 to toggle MUTE. The top number row and numeric keypad are supported.

3 Multi-SOLO

Hold Command while clicking SOLO, or press Command + 1-8, to add or remove channels without clearing earlier SOLO selections.

4 RESET Workspace

RESET stops playback, unloads the current file, clears waveforms and channel selections, and keeps the Workspace open.

5 Skip to Workspace

On the Welcome screen, Skip to Workspace opens an empty Workspace without importing a file.

Keyboard Quick Reference

1-8

Exclusive SOLO

Command + 1-8

Add / Remove Multi-SOLO

Shift + 1-8

Toggle MUTE

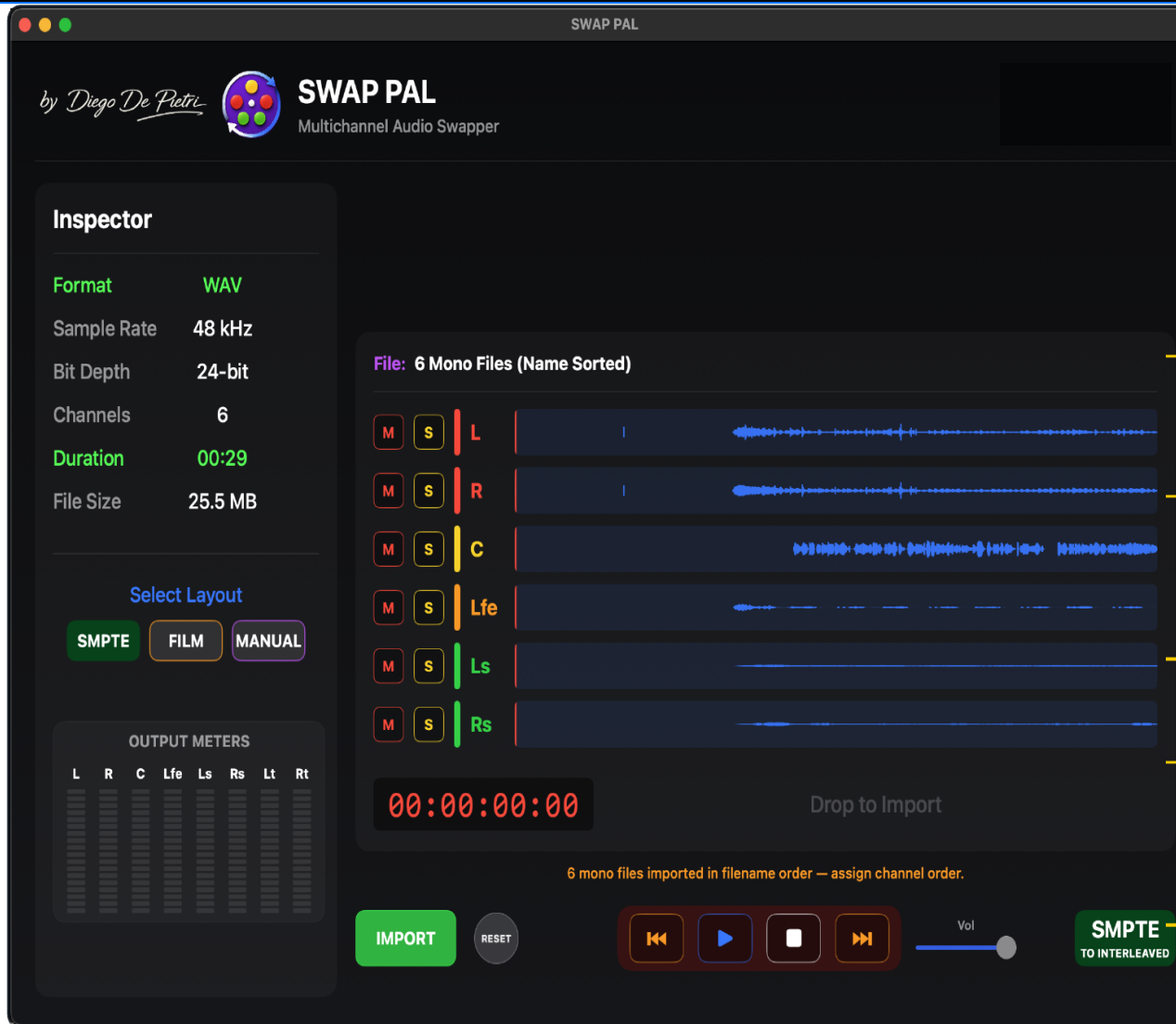
Shortcuts work with the keyboard number row and the numeric keypad.



v 1.4 Feature Updates

Additional Interleaved Exports

After importing six or eight mono files, select SMPTE or FILM to create one interleaved file in the chosen standard channel order.



1 Import 6 or 8 Mono Files

Choose six or eight mono WAV/AIFF files together. Files are loaded in numeric or alphabetic filename order.

2 Select SMPTE or FILM

Choose the layout that matches the order of the imported mono files. The export button changes to the selected layout and keeps its color.

3 Confirm the Channel Order

The files are mapped directly to the selected SMPTE or FILM order. MANUAL assignment boxes are not required for this export.

4 Monitor Before Export

Use MUTE and SOLO to confirm that every imported mono file is in the correct source position before creating the interleaved master.

5 SMPTE / FILM TO INTERLEAVED

Click the colored button to create the interleaved file. The new filename includes _SWAP_TO_INTERLEAVED.



Required Source Order

- SMPTE: L, R, C, LFE, Ls, Rs. An 8-channel file adds Lt and Rt.
- FILM: L, C, R, LFE, Ls, Rs. An 8-channel file adds Lt and Rt.