

VOSOUND

WAVEPROOF USER GUIDE

How to Use WaveProof

Proof-of-Processing — Verified by VoSound

A complete guide to understanding, sharing,
and verifying your WaveProof certificates.



• Patent Pending — U.S. App. No. 64/015,963

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What is WaveProof?

WaveProof is VoSound's Proof-of-Processing system. Every time a track is successfully processed through the VoSound DSP pipeline, a WaveProof certificate is automatically generated — no extra steps required.

A WaveProof certificate is a tamper-evident, cryptographically verifiable record that proves a specific audio file was processed through VoSound's attested pipeline at a specific date and time. It records exactly which processing chain was applied, and produces a cryptographic fingerprint of the output file.

This gives creators, labels, distributors, and clients a trustworthy, independently verifiable record of the processing history of any audio file — without requiring access to VoSound or the creator's account.

WHY THIS MATTERS

In a world where audio can be manipulated, re-exported, or misrepresented, WaveProof gives your processed tracks a verifiable chain of custody. A label or client can confirm that what you sent them is exactly what VoSound produced — byte for byte.

The Patent

The WaveProof Proof-of-Processing invention is the subject of a U.S. patent application filed March 24, 2026 (App. No. 64/015,963). Every WaveProof certificate carries this patent badge.

The Two Engines

WaveProof certificates are issued for jobs processed through either of VoSound's two engines:

- SoundPack Engine — Processes audio using a defined sound type, archetype, guards, and modifiers.
- Genre Pack Engine — Processes audio through a named genre pack with a specific DSP module chain and loudness target.

Your Certificate Explained

Every WaveProof certificate contains the following fields. Here is what each one means.

CERTIFICATE ID	A globally unique identifier in the format VSC-XXXXXXXX (e.g., VSC-A1B2C3D4). This is your primary reference for looking up, sharing, or citing a certificate.
ENGINE	Which VoSound processing engine handled the job — SoundPack Engine or Genre Pack Engine.
FILE NAME	The original filename of the audio file as it was uploaded to VoSound at time of submission.
CREATOR	The VoSound artist display name of the account that submitted the file for processing.
DSP CHAIN	A human-readable summary of the exact processing chain that was applied to the audio. For SoundPack jobs this includes the sound type and archetype; for Genre Pack jobs it includes the pack name and DSP modules.
PROCESSED AT	The exact timestamp (date, time, and time zone) at which processing completed and the certificate was issued.
SHA-256 OUTPUT HASH	A 64-character cryptographic fingerprint of the processed output audio file. This hash is the foundation of re-verification: if the file has not been modified since processing, its hash will match this value exactly.
DSP SIGNATURE	A machine-readable record of the precise DSP chain used, including chain name, modules, and loudness targets. This is the technical companion to the human-readable DSP Chain summary.

ABOUT THE SHA-256 HASH

A SHA-256 hash is a 64-character string uniquely derived from a file's exact byte content. Any modification to the file — even a single bit change — produces a completely different hash. This makes it impossible to tamper with the audio without the hash changing, which is how WaveProof re-verification works.

How to Get a Certificate

WaveProof certificates are issued automatically. You do not need to opt in, request one, or take any extra steps. Every successful processing job on VoSound produces a certificate.

Step-by-Step

1. Upload your audio file to VoSound via the Studio.
2. Select your processing settings — choose a SoundPack or Genre Pack and configure any options.
3. Submit the job. VoSound processes your audio in the background.
4. Once the job reaches Succeeded status, a Certificate ID is automatically assigned. You can find it in your Studio job history.
5. Your verify URL is: `vosound.com/verify/VSC-XXXXXXXX` — replace the Xs with your Certificate ID.

IMPORTANT

Certificates are only issued for jobs with Succeeded status. Failed, cancelled, or still-running jobs do not receive a certificate. If your job fails, fix the issue and resubmit — a new certificate will be issued when the new job succeeds.

Enterprise API

If you submit jobs via the VoSound Enterprise API, the `certificateId` and `verifyUrl` are returned in the job status response as soon as the job succeeds. Webhook callbacks for succeeded jobs also include both fields automatically.

CERTIFICATE ID FORMAT

All Certificate IDs follow the format `VSC-XXXXXXXX`, where X is any uppercase letter or digit (A–Z, 0–9). The ID is always 12 characters: three letters, a hyphen, and eight alphanumeric characters. IDs are not case-sensitive when entered at the verify page.

Verifying a Certificate

Anyone can verify a WaveProof certificate — no VoSound account required. This is by design: the verification page is a public trust surface that anyone downstream in your workflow (labels, clients, distributors, sync licensors) can use independently.

Method 1 — Enter the Certificate ID

1. Go to vosound.com/verify
2. Enter the Certificate ID (e.g., VSC-A1B2C3D4) in the search field.
3. The certificate page loads with all details: engine, file name, creator, DSP chain, timestamp, SHA-256 hash, and DSP signature.

Method 2 — Share a Direct Link

Send the full verify URL directly: <https://vosound.com/verify/VSC-XXXXXXXX>

Anyone who opens the link sees the full certificate instantly. No login, no account, no friction.

The Certificate Page

The certificate page displays all fields with a clear “Certificate verified” confirmation at the top. It also includes:

- A QR code that links back to the same certificate page — useful for printed materials or physical documentation.
- A copy button for the Certificate ID and SHA-256 hash.
- The patent badge on every verified certificate.
- A re-verification tool for confirming a specific audio file matches the certificate (see next section).

NO EXPIRY

WaveProof certificates do not expire. A certificate issued today will be verifiable at the same URL indefinitely. Share links confidently — they will always resolve.

Re-Verifying a File

Verifying a certificate tells you that a processing event occurred. Re-verifying a file tells you that a specific audio file is the exact output that VoSound produced — and has not been altered since.

This is the most powerful feature of WaveProof. It lets a label, client, or distributor confirm independently that the file you sent them is byte-for-byte identical to the original VoSound output.

How to Re-Verify

1. Open the certificate page: vosound.com/verify/VSC-XXXXXXXX
2. Scroll to the re-verification section at the bottom of the page.
3. Click to select the audio file you want to verify (up to 25 MB).
4. Click Verify. VoSound computes the SHA-256 hash of the uploaded file entirely in your browser — the file is not sent to VoSound servers during this process.
5. The result is displayed immediately.

Reading the Result

- Match — The file is byte-for-byte identical to the VoSound output recorded in the certificate. The audio has not been modified, re-encoded, or tampered with since processing.
- No Match — The file differs from the certificate record. It may have been re-encoded, modified, or is a different file entirely. This is not necessarily fraud — even re-saving in most audio editors changes the file hash.

FILE SIZE LIMIT

The browser-based re-verifier accepts files up to 25 MB. For larger files, the SHA-256 hash can be computed with any standard tool (sha256sum on Linux/Mac, CertUtil on Windows, or online SHA-256 calculators) and compared manually to the hash shown on the certificate page.

RE-ENCODING NOTE

If you receive a file and convert it to a different format before re-verifying (e.g., WAV to MP3), it will not match — the hash will be different. Always re-verify using the exact file format that was delivered from VoSound. Lossless formats (WAV, FLAC) are strongly recommended for files that will be re-verified.

Downloading the Official PDF

Every WaveProof certificate can be downloaded as a branded, print-ready PDF directly from the certificate page. The PDF contains all certificate fields, the verify QR code, and the patent badge.

Requirements

- You must be signed in to your VoSound account to download the PDF.
- The download costs 45 tokens, deducted from your account balance.
- You only pay once per certificate. If you download the same certificate again, it is free.

How to Download

1. Sign in to your VoSound account.
2. Open the certificate page: vosound.com/verify/VSC-XXXXXXXX
3. Click Download PDF in the export section.
4. If you have sufficient tokens (45+), the PDF generates and downloads immediately.
5. If your token balance is insufficient, you will be directed to the token top-up page.

IDEMPOTENT DOWNLOADS

Once you have paid for a certificate PDF, every future download of that same certificate is free — no additional tokens are charged. VoSound tracks the payment per certificate ID per account, so you can re-download as many times as needed.

What the PDF Contains

- All certificate fields: Certificate ID, Engine, Creator, File Name, DSP Chain, Processed At, SHA-256 Output Hash, DSP Signature, Verify URL.
- A scannable QR code linking directly to the online certificate.
- The patent badge: Patent Pending — U.S. App. No. 64/015,963.
- VoSound branding and generation timestamp.
- Legal disclaimer: the certificate confirms audio processing attestation only.

Sharing & Use Cases

WaveProof certificates are designed to be shared. Here are the most common ways creators and enterprise clients use them.

Sharing with Labels and A&R

When submitting tracks to a label or A&R rep, include the verify URL alongside the audio file. This demonstrates that the track has been professionally processed and gives the recipient a verifiable record they can check independently.

- Include vosound.com/verify/VSC-XXXXXXXX in your submission email or delivery notes.
- Attach the downloaded PDF for formal deliverables or contract documentation.
- The certificate shows the DSP chain applied, which communicates your production choices clearly.

Sharing with Clients and Distributors

Freelance producers and engineers can include a WaveProof certificate with every client delivery as part of their professional package. Distributors can use the certificate to confirm that submitted audio meets quality processing standards.

- Send the verify URL as part of your client delivery package.
- The client can re-verify the file themselves to confirm it has not changed in transit.
- The patent-pending badge reinforces the professional credibility of your delivery.

Enterprise API Integration

Enterprise partners using the VoSound API receive the Certificate ID and verify URL automatically in job responses and webhook callbacks. These can be surfaced directly in your own platform or workflow.

API RESPONSE EXAMPLE

On a succeeded job: { "status": "SUCCEEDED", "certificateId": "VSC-XXXXXXXX", "verifyUrl": "https://vosound.com/verify/VSC-XXXXXXXX" }. Webhook callbacks for succeeded jobs include the same fields.

What WaveProof Does Not Do

It is important to understand the precise scope of what a WaveProof certificate attests to. The following are explicit limitations.

Not Legal Certification

A WaveProof certificate is not a legal document, external notarization, or certification by any third party. It is an attestation by VoSound's own processing system. It is not a substitute for professional legal or forensic audio analysis.

Not Copyright Registration

A WaveProof certificate does not register or protect copyright in the audio content. It confirms processing history only. For copyright protection, creators should register with the appropriate national copyright office.

Not Content Verification

The certificate does not verify the content of the audio — for example, whether lyrics are original, whether samples are cleared, or whether the recording was made by the credited creator. It verifies only that a specific file was processed through VoSound's pipeline.

Only for Succeeded Jobs

Certificates are issued only for jobs that reach Succeeded status. Failed jobs, cancelled jobs, and in-progress jobs do not receive a certificate.

25 MB Re-Verification Limit

The browser-based re-verification tool accepts files up to 25 MB. Files larger than this cannot be re-verified through the web interface. Manual SHA-256 comparison is required for larger files.

IN SUMMARY

WaveProof certifies that a specific audio file was processed through VoSound's attested DSP pipeline at a specific time, and that the output has not been modified since. It does not certify ownership, copyright, content, or legal status of the audio.

Quick Reference

A compact reference for the most common WaveProof tasks.

TASK	WHERE / HOW
Look up a certificate	vosound.com/verify — enter Certificate ID manually
Open a certificate directly	vosound.com/verify/VSC-XXXXXXXX — replace with your ID
Share a certificate	Copy and send the full verify URL or the Certificate ID
Re-verify a file	Open certificate page, scroll to re-verification, upload the file (max 25 MB)
Download PDF	Open certificate page, click Download PDF (45 tokens, sign-in required; free on re-download)
Find your Certificate ID	Studio job history — shown once the job reaches Succeeded status
API / webhook	certificateId and verifyUrl returned in succeeded job responses and webhook callbacks
Compute hash manually	SHA-256 tool — sha256sum (Linux/Mac), CertUtil -hashfile (Windows), or any online SHA-256 calculator
Certificate not found	Check the ID is exactly VSC-XXXXXXXX format; confirm the job succeeded (not failed or cancelled)

Ready to process your first track?

Upload your audio at vosound.com and your WaveProof certificate will be waiting when the job completes.

vosound.com