

THROAT

USER MANUAL · VERSION 0.1.0

Reshape the **character** of a voice — its size, gender and colour — without ever touching its pitch. THROAT works on the vocal tract, not the notes, so the performance stays exactly as sung.



THE THROAT INTERFACE

WHAT THROAT IS

THROAT is a formant shaper. It re-draws the resonances of the voice — the throat, mouth and nasal character — while leaving pitch and timing untouched.

JITTER-FREE BY DESIGN

A fixed-hop analysis reshapes only the spectral envelope. It never moves a frequency and never re-spaces a grain, so the pitch **cannot** wobble. That is a property of the maths, not a tuning goal.

HONEST AT NEUTRAL

With everything at zero THROAT reconstructs the input to **−93 dB** — effectively a bit-perfect copy. Mix at 0% is exact. Mono stays mono; stereo stays stereo.

FORMATS

AU **VST3** **AAX** Mac (universal, Intel + Apple Silicon, macOS 10.15+) · **VST3** Windows 10+. Mono and stereo tracks are both supported.

LATENCY

THROAT reports **one analysis window** of latency (about **21 ms**; 1024 samples at 48 kHz, scaling with the sample rate). Your DAW compensates it automatically on playback. It is reported honestly, so mixes stay aligned — but it is not a zero-latency plugin, so prefer it off live record paths.

LICENSING AT A GLANCE

THROAT runs a **5-day free trial** the first time you use it. When you are ready, click **Activate** and follow the browser prompt. Full details on the last page.

QUICK START

- 1 **Insert THROAT** on a vocal (or any voiced source — it works on anything with formants).
- 2 Move **SHIFT**. Down makes the throat bigger and darker; up makes it smaller and brighter. The pitch will not move.
- 3 Add **GENDER** to lean masculine or feminine, then use **TILT** and **FOCUS** to place the tone.
- 4 Use **SOLO** to hear the processed voice on its own, and **MIX** to blend back toward the dry.

VOICE

SHIFT ± 12 st

Throat length — the core control. Negative = a bigger, darker, chestier body. Positive = a smaller, brighter one. Formant only; pitch never moves.

GENDER $\pm 100\%$

Masculine $\leftrightarrow$ feminine formant tilt. Stacks with SHIFT, so use SHIFT for size and GENDER for character.

TILT ± 6 dB/oct

Brightness across the spectrum, energy-balanced — it makes the voice brighter or darker, not louder.

FOCUS $\pm 100\%$

Resonance Q. Sharpen for a vocal, brassy, forward tone; soften for a neutral, de-nasal one. The formants change shape without moving.

STEAL — TIMBRE TRANSFER

Copy the tone-colour (the “throat”) of one voice onto another. Your pitch and words stay yours — only the timbre changes.

- 1 Play the voice whose **character** you want to copy and click **GRAB A**. It captures on the next voiced moment and the button **lights green** — throat A is loaded.
- 2 Now play *your* voice and raise **STEAL**. At 0% you hear your own voice; at 100% it fully wears the grabbed throat.
- 3 Optional — **GRAB B** a second throat, then use **MORPH** to blend A (0%) ↔ B (100%). Automate MORPH for a timbre that moves over time.

A grab needs a voiced sound to capture — grab on a sustained vowel, not on silence. Both Grab lights on means both slots are loaded. Captures are level-neutral, so a loud source will not simply make you louder.

MOTION

MOVE picks what the LFO wobbles — **Formant** (talkbox-ish) or **Tilt** (brightness). **RATE** sets the speed (0.05–12 Hz) and **MOTION** the depth. Both targets are pitch-independent, so motion never introduces wobble in the note.

OUTPUT

MIX 0–100%

Dry/wet blend against a latency-matched dry, so partial settings never phase. At 0% the output is bit-identical to the input.

TRIM ±12 dB

Output level.

DRIVE 0–100%

Level-tracked saturation on the effect. It adds harmonics and gentle compression at any input level, without a jump in loudness.

PROTECT 0–100%

Consonant guard. Fades the shaping toward dry on sibilants and fricatives so “s / t / f” stay crisp and natural.

TOOLBAR

SOLO auditions the processed effect on its own, ignoring MIX. **ACTIVE** toggles bypass. **?** opens the in-plugin manual. The footer shows the tracked formants (**F1 / F2 / F3**), the reported latency, and input/output meters.

LICENSING

THROAT uses a single license that covers the trial and the full version.

TRIAL

The first time you load THROAT you get a **5-day free trial** — fully unlocked, no feature limits. A small badge shows the days remaining; click it any time to open the activation panel.

ACTIVATING

Click **Activate**. THROAT opens your browser to finish the activation, then stores the license on this machine. After that it validates **locally** — no network is needed to open a session, and nothing ever touches the audio path.

BUYING

Click **Buy a license** in the activation panel, or visit www.rtmaudio.com/buy/throat.

MOVING MACHINES

Open the activation panel and click **Deactivate this computer** to release the seat, then activate on the new machine.

WHEN THE TRIAL ENDS

If the trial expires and no license is present, THROAT passes audio through **unprocessed** — a clean, latency-matched bypass. It never mutes your track, inserts noise, or destroys a mix you left open.

GOOD TO KNOW

- Formant moves **never** alter pitch — that is structural, not a setting.
- Identity nulls at -93 dB; MIX 0% is bit-exact.
- Runs at 44.1 / 48 / 96 / 192 kHz.
- Drag knobs vertically · hold **Shift** for fine · **double-click** to reset.
- Mono in stays mono out; a stereo image is preserved.

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