START HERE · PITCH CORRECTION

Kiln Caliper

Tuned to the band.

Pitch correction that listens to your guitars and bass to find the key, can follow the chords they're holding, and leaves breaths and whispers alone.

Where it goes

On the vocal track, after Damper. Side chain: guitars or bass (or a bus with both).

Quick start

1. Insert Kiln Caliper and pick a guitar or bass track in the Side Chain menu.
2. Play a section: the Key panel shows what it hears, like "E minor, same notes as G major".
3. Press Listen, play a chorus or the whole song, press Done. The key is written into Key and Scale.
4. Set Retune: 30-60 ms is tight but natural; Instant is the hard tuned effect; 150 ms and up keeps vibrato.
5. Turn Hand up so held notes keep their small, human drift.

Listen for

- Long notes landing on pitch without a robotic wobble.
- Breaths and whispers sounding untouched (Caliper leaves them alone).



Controls

Key · Band Notes · Follow · Chromatic	What to tune to
Listen	Learn the key from the band
Retune	Instant to 400 ms
Hand	Keep natural drift
Breath	How airy can still be tuned
Amount	How much correction

On Firing's checklist

PREP

- [ ] Every track's level is set
- [ ] No hum left
- [ ] No clipped recordings

BALANCE

- [ ] Each group sits in its range
- [ ] The vocal holds steady
- [ ] Kick and bass are heard

SHAPE

- [ ] No mud
- [ ] Nothing harsh or spitty
- [ ] No ringing frequencies
- [ ] Low end centred
- [ ] Holds up in mono

CHECK

- [ ] Heard on every device
- [ ] Loud enough, not crushed
- [ ] Peaks under -1 dB
- [ ] Compared with a reference

FINISH

- [x] **Nothing left marked "fix this"**

Firing doesn't measure pitch: your ears do. Caliper is how you clear anything you'd otherwise mark "fix this" on the vocal.

Part of **Kiln: Start to Finish**, the full guide that walks a song through every plugin to a finished mix. Kiln Caliper is in the "Start here" stage of the suite.