

AJANSS RECORDS

ARTUNER

CHROMATIC TUNER



VERSION

1.0.0

FORMATS

AU • VST3

PLATFORMS

macOS • WINDOWS

DOCUMENT

USER GUIDE

01 WHAT IT DOES

ARTUNER tells you what note you are playing and how far off it is. It reads any instrument from the low B of a five-string bass up to the top of a guitar neck, shows the nearest note or the nearest string of the tuning you picked, and puts the error in cents on a needle or a strobe.

It listens; it does not process. With MUTE off the output is bit-for-bit identical to the input – the difference is exactly 0.000, and that is measured on every build rather than claimed. There is no latency to compensate: zero samples.

02 INSTALLING

macOS

Run ARTUNER Installer.pkg and follow the steps. You can choose which formats to install, and whether to install for every user or only for yourself. The package is signed and notarised by Apple, so it opens normally.

Windows

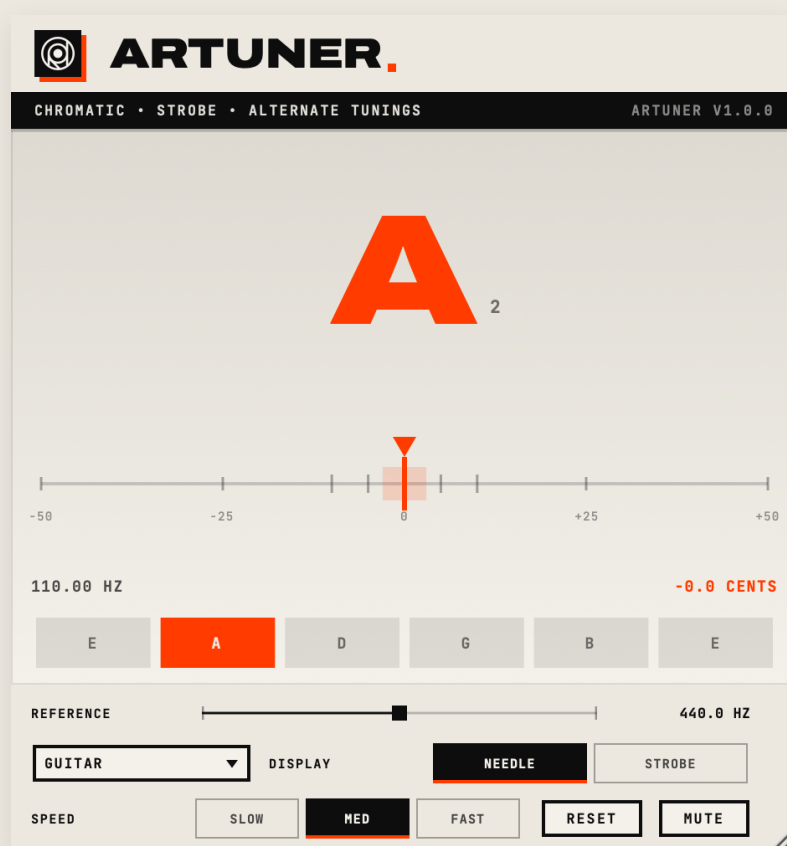
Run ARTUNER Installer.exe and follow the steps. The plugin is placed in the shared VST3 folder. The installer is not codesigned yet, so SmartScreen may warn you: click More info, then Run anyway. This is only needed once.

After installing

Rescan the plugin list in your DAW. ARTUNER appears under AjanSS Records > ARTUNER.

Requirements – macOS 10.13 or newer, Intel or Apple Silicon (universal binary). Windows 10 or newer, 64-bit. Formats: Audio Unit and VST3 on macOS, VST3 on Windows.

03 THE INTERFACE



THE NOTE

The nearest note, with its octave beside it. In a tuning preset it is the nearest string instead. It turns orange when you are within three cents.

NEEDLE

A cents ruler from -50 to +50. The shaded band in the middle is the three-cent window, so you can always see how narrow the target is.

STROBE

Three rows of stripes that drift at the speed of your error and stand still when you are in tune. The eye sees motion far better than size: a one-cent error is visible here.

READOUT

The frequency in hertz and the error in cents, both to two decimal places.

STRINGS

The strings of the chosen tuning. The one you are closest to is filled in; it turns orange when that string is in tune.

04 PARAMETERS

CONTROL	RANGE	DEFAULT	WHAT IT DOES
REFERENCE	415 - 465 Hz	440 Hz	Concert pitch for A4. Orchestras often play at 442; 415 is baroque pitch. Every string of every tuning moves with it.
TUNING	10 presets	GUITAR	CHROMATIC, GUITAR, DROP D, HALF DOWN, FULL DOWN, DADGAD, OPEN G, BASS 4, BASS 5, UKULELE. In a preset the error is measured against the nearest string; more than 150 cents away it falls back to chromatic.
DISPLAY	NEEDLE / STROBE	NEEDLE	Needle shows how far off and in which direction. Strobe is finer: the stripes stop moving when you arrive.
SPEED	SLOW / MED / FAST	MED	How quickly the reading follows. SLOW is steadier on a decaying note, FAST reacts while you turn the peg.
MUTE	on / off	off	Silences the output while you tune. The tuner still reads the input, so you can tune a live rig without the audience hearing it. This is the only control that touches the audio.
RESET	—	—	Clears the reading and starts again.

05 MEASURED

ACCURACY

0.02 cents

Worst error over thirteen known frequencies from 30.868 Hz to 1318.5 Hz. Not a typical figure – the worst one.

RANGE

30.9 – 1318 Hz

B0, the low string of a five-string bass, up to E6. All thirteen test points read.

PASSTHROUGH

0.000

Largest sample difference between input and output over 400 blocks of noise, MUTE off. Exactly zero, not small.

LATENCY

0 samples

PROCESSOR

0.01 %

Of one core on the audio thread. Pitch solving runs on the message thread instead, at 0.274 ms per reading – 0.55 % of the budget at twenty readings a second.

06 TWO TRAPS IT DOES NOT FALL INTO

Play a power chord – E2 and B2 together – and the combined waveform only repeats at 41 Hz, an octave below either note. A tuner that trusts the maths alone reads 41 Hz. ARTUNER checks whether there is any energy at that frequency before believing it, and reads 82.35 Hz. A C-G-C triad reads 130.77 Hz, not 65.

A note rich in harmonics can fool the other way. A twelve-harmonic sawtooth at 98 Hz reads 98.00 Hz.

07 SUPPORT

Questions and bug reports: Instagram @ajanssrecords. Please include your operating system, your DAW and its version, the plugin format, and the version shown in the top right of the window.

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