

AJANSS RECORDS

ARSUP

RESONANCE SUPPRESSOR



VERSION
1.0.0

FORMATS
AU • VST3

PLATFORMS
macOS • WINDOWS

DOCUMENT
USER GUIDE

01 WHAT IT DOES

ARSUP finds the narrow peaks that ring – the vocal resonance, the boxy room mode, the cymbal that will not stop – and turns only them down, leaving the texture around them untouched. It works spectrally: the signal is split into over a thousand bands, each band is compared against its own neighbourhood, and only the ones that stand clear of it are pulled down. This was measured, not assumed: a 3 kHz resonance set twelve decibels too loud comes down by twelve decibels while the broadband texture around it moves less than a quarter of a decibel. Below fifty hertz and above sixteen kilohertz nothing is ever touched – the weight of the low end and the air on top are not resonances. The latency is fixed and reported to the host, so everything stays aligned.

02 INSTALLING

macOS

Run **ARSUP 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 not notarised by Apple yet, so the first time you open it macOS may refuse: right-click the installer, choose **Open**, then confirm. This is only needed once.

Windows

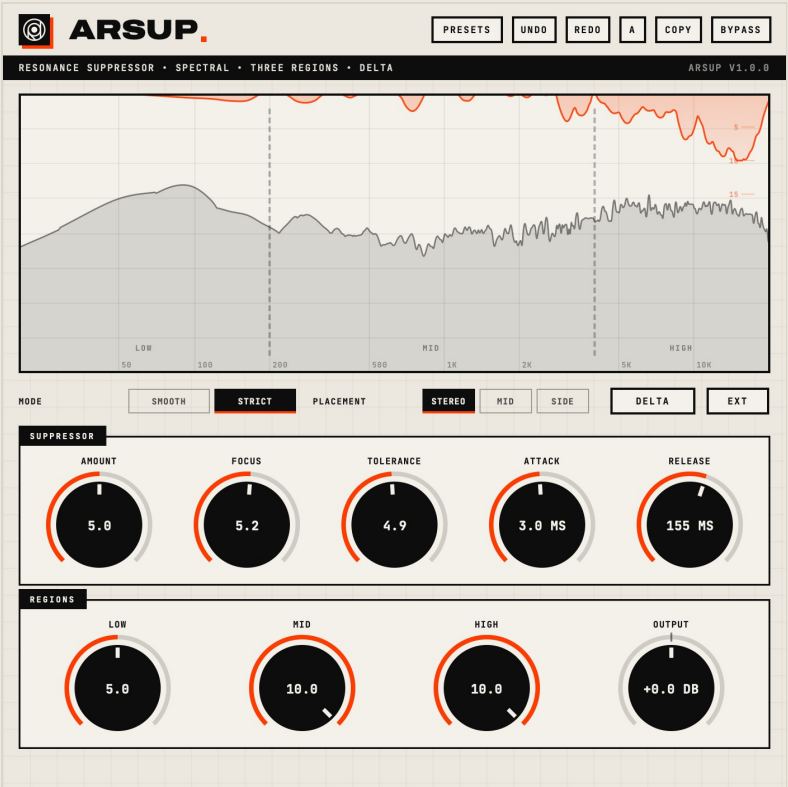
Run **ARSUP Installer.exe** and follow the steps. The plugin is placed in the shared VST3 folder. The installer is not code-signed yet, so SmartScreen may warn you: click **More info**, then **Run anyway**. This is only needed once.

After installing

Rescan the plugin list in your DAW. ARSUP appears under **Ajanss Records > ARSUP**.

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



DISPLAY	The spectrum in grey, drawn per screen column with instant rise and a slow fall. What ARSUP is removing hangs from the top as the orange curtain, on its own scale of five, ten and fifteen decibels at the right edge.
REGION LINES	The two dashed lines are the LOW / MID and MID / HIGH crossovers. Drag them right on the display – the region labels underneath follow.
MODE / PLACEMENT ROW	Detection character on the left, where the cuts happen on the right, with DELTA and EXT beside them.
STATUS STRIP	Under the header: what the control under the cursor does, and what the plugin is doing when the cursor rests.

04 PARAMETERS

CONTROL	RANGE	DEFAULT	WHAT IT DOES
AMOUNT	0.0 ... 10.0	4.0	Maximum cut depth – each step is two decibels, so ten means up to twenty on the worst offender. The measured mapping is linear: doubling AMOUNT doubles the deepest cut.
FOCUS	0.0 ... 10.0	5.0	Width of each cut. Low is broad and gentle, closer to a soothing dip; high is surgical and touches only the peak itself.
TOLERANCE	0.0 ... 10.0	5.0	How far a peak must rise above its own neighbourhood before it counts as a resonance. Lower catches more, higher lets the material breathe and only reacts to the truly sharp.
ATTACK	0.5 ... 20.0 ms	3.0 ms	How fast a cut opens once a resonance appears. Fast catches short rings; slower lets transients pass before the cut lands.
RELEASE	30 ... 500 ms	150 ms	How fast a cut closes once the resonance is gone. Short breathes with the material, long holds steady on sustained tones.
MODE	SMOOTH / STRICT	SMOOTH	SMOOTH is transparent and musical. STRICT reacts faster, cuts harder and catches more – the right tool for feedback and harsh sources.
PLACEMENT	STEREO / MID / SIDE	STEREO	Where detection and cuts happen. MID protects the centre – vocal, kick, bass – while SIDE cleans only the width.
LOW / MID / HIGH	0.0 ... 10.0	5.0 / 10.0 / 10.0	How much suppression each region is allowed, split at the two lines on the display. Zero switches a region off entirely – measured as exactly no change in that region.
CROSSOVERS	40 ... 1000 Hz and 1 ... 12 kHz	200 Hz / 4 kHz	The boundaries between the three regions. Dragged directly on the display; the crossfades between regions are smooth, so nothing clicks as a resonance moves across a line.
EXT	on / off	off	Detect from the sidechain input instead of the main signal – classic de-masking: the lead vocal on the sidechain tells the pad where to make room.
DELTA	on / off	off	Plays only what is being removed. If you cannot hear anything musical in it, the suppression is harmless.
OUTPUT	-12.0 ... +12.0 dB	0.0 dB	Final level trim.
BYPASS	on / off	off	Passes the input through untouched, keeping the latency so nothing shifts when you compare.

05 PRESETS

Open the browser with **PRESETS**. It has two categories: **FACTORY**, which ships with the plugin, and **USER**, which is yours. Click a preset to load it, or browse with the keyboard.

↑ ↓	Move through the list. The highlighted preset loads as you go, so you can audition the whole bank without clicking.
← →	Switch between FACTORY and USER.
ESC	Close the browser.
SAVE	Type a name in the field and press SAVE to store the current settings as a user preset.
RENAME • DELETE	Act on the selected user preset. Factory presets cannot be changed or removed.

Factory bank — 15 presets

GENTLE TAME	HARSH MIX BUS
VOCAL RESONANCES	GENTLE MASTER
DE-ESS	SIDE SPARKLE
MUD CLEANER	MID PUNCH GUARD
BOXY ROOM	FEEDBACK GUARD
CYMBAL WASH	SURGICAL
ACOUSTIC GUITAR	BROADBAND SOOTHE
PIANO RING	

06 STARTING POINTS

Rough settings to work from, not destinations. Every one of them assumes you will move it once you hear the source.

Vocal resonances

Start from the VOCAL RESONANCES preset, then set AMOUNT so the curtain touches ten decibels only on the worst notes.

Is it too much

Turn on DELTA. When the removed signal starts sounding like the song instead of like ringing, back AMOUNT off.

De-essing

LOW and MID at zero, HIGH at ten, then drag the MID / HIGH line down to about five kilohertz.

Make room for the vocal

Put ARSUP on the pad or guitar bus, feed the vocal to the sidechain, turn on EXT.

Feedback on stage

MODE STRICT with fast ATTACK – it was built to catch a peak in under a millisecond at full depth.

07 SUPPORT

For questions, bug reports and feature requests, please reach us on Instagram at [@ajanssrecords](#). Please include your operating system, your DAW and its version, the plugin format you are using, and the plugin version shown in the top right of the window.

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