



WildClean

5 powerhouse repair tools in one. Noise, clicks, clips, peaks, verb.
Handled in one place, tuned by you.

USER GUIDE

Wildflower Sound · VST3 & AAX, plus AU on macOS

What WildClean does

WildClean repairs a recording with five modules on one insert: **De-clip** rebuilds flattened peaks, **De-click** takes out clicks and pops, **De-noise** lowers steady noise and hiss, **De-reverb** takes out room sound, and **Peak Smoother** pulls down harsh peaks in the tone. Switch on the ones you need, put them in the order you want, and press **Hear removed** on any of them to hear exactly what it takes out.

The big waveform at the top shows your sound as it plays, coloured by the module that is working on it, so you can see where each repair lands.

Good for: field recordings with wind, hiss or a clicky cable, dialogue with room sound, a take that clipped on the way in, vinyl crackle, and sounds with a harsh ring you want to tame before you design with them.

Quick start

1. **Insert WildClean** on the track you want to repair. Every module starts off, so the sound passes through untouched and WildClean adds no delay until you switch one on.
2. **Play the sound.** Each card's readout says what it is doing (*13.2 clicks a second, Removing 3.5 dB*).
3. **Switch on what you need** with each card's **On** button, and switch off what you don't.
4. **Press Hear removed** on a module and raise its main control until you hear the problem, and only the problem. Then switch Hear removed off.
5. **Steady noise?** Play a stretch of noise on its own, press **Learn** on the De-noise card, then **Stop**.
6. **Save it** from the preset menu if you will use the repair again.

The face and the chain

The big waveform

the last few seconds · dB scale

Your sound scrolls from right to left as it plays. Its colour shows which module is working: the stronger the colour, the more that module is taking out there. A pin along the top marks each click De-click takes out, and a mark along the bottom shows where De-clip rebuilt a peak. The legend under it names each module's colour.

The five cards

Each module has a card under the waveform. Every card has its name, an **On** button, a small button that shows or hides its controls (the minus closes the card, the plus opens it), its Quality setting, its Hear removed button, a live view, two lines of readout and its knobs. A card glows in its colour while it is working. A closed card keeps its place, so nothing on the face moves when you open or close one.

The order

default: De-clip, De-click, De-noise, De-reverb, Peak Smoother

The sound runs through the cards from left to right, as the arrows between them show. **Drag a card** to move its module earlier or later in the chain. From the keyboard, press Tab until the card is selected, then use the Left and Right arrow keys. The order is saved with your session and with your presets, and it never changes the latency.

On

every module off by default · host-automatable

Switches the module in or out. A module that is off passes the sound through untouched and adds no delay.

Hear removed

one per module · host-automatable

Plays only what that module takes out of the sound, so you can hear whether it is taking the problem and leaving the rest. Light it on several modules to hear everything they remove together; the footer says *Hearing only what the lit modules remove* while any is lit. It works on a module that is on.

Order matters: clicks and clipping are usually easiest to find before noise reduction has changed the sound, so try other orders by ear rather than all at once.

De-clip and De-click

De-clip

Rebuilds the peaks a clipped recording lost, wherever they reach the Threshold. Its view shows the last second with the rebuilt tips lit. The readouts give the clip level it found (*Clip level -9.6 dB*) and how much of the sound it is rebuilding (*Rebuilding 32% of the sound*).

KNOB	RANGE	WHAT IT DOES
Threshold	-24 to 0 dB · default Off	Only peaks that reach this level are rebuilt; everything below it is left untouched. Lower it, or drag the lines on the waveform up or down, until they sit on the flat tops. At the top it reads Off and De-clip rebuilds nothing. The ring around the knob shows the level going in.
Sensitivity	0 to 100% · default 50%	How flat a peak above the Threshold must be to be rebuilt. Low takes only hard, flat clipping; high takes softer, rounded clipping too.
Amount	0 to 200% · default 100%	How much of the rebuilt peak replaces the flattened one. Past 100% it exaggerates the rebuild.

De-click

Finds clicks, pops and crackle and mends the sound under them. Its view shows the last second with the clicks it took out lit. The readouts give clicks a second and the number repaired so far.

CONTROL	RANGE	WHAT IT DOES
Sensitivity	0 to 200% · default 50%	Higher finds smaller and quieter clicks. Past 100% the repair also takes the ring a click leaves behind. At 0% De-click does nothing.
Min Size	0 to 2 ms · default 0 ms	Clicks shorter than this are left alone. Raise it to keep fine crackle.
Max Size	0.2 to 80 ms · default 2 ms	Clicks longer than this are left alone. Raise it to reach longer pops. At Low Quality it stops at 6 ms.
Stereo	on or off · default off	On: a click is taken out only where it is in both channels at once. Off: each channel's clicks are found on their own.

Finding the setting: light Hear removed and raise Sensitivity until you hear the clicks alone. When you start to hear the sound itself, back it off a little.

De-noise

Lowers steady noise such as hiss, air conditioning and a constant rumble. Its view shows the sound's spectrum going in and coming out, the noise it is working from, and the focus curve. The readouts give how much it is removing (*Removing 3.5 dB*) and which noise print it is using.

KNOB	RANGE	WHAT IT DOES
Amount	0 to 150% · default 100%	How much of the noise floor is treated as noise and taken out.
Reduction	0 to 60 dB · default 12 dB	How far down the noise is allowed to go.
Smoothing	0 to 100% · default 50%	Smooths the reduction over time and frequency, so the leftover noise does not warble.

Auto, Learned and Learn

the noise print · default Auto · host-automatable

Auto follows the noise floor from the moment you press Play and keeps it through a stop until it has learnt the new one. **Learned** uses a noise print you taught it. To teach it, play a stretch of noise alone (room tone, the hiss between lines), press **Learn**, then **Stop**. The readout counts the seconds while it listens, and WildClean switches to Learned by itself when you stop. The print is saved with your session and with any preset you save, so a print taken from one shoot's room tone can clean that shoot's other clips. Learned with no print yet works as Auto until you teach it.

The focus curve

three points · 0 to 200% · default 100% everywhere

Sets how much De-noise works at each frequency: at 100% it works as set, lower works less, higher works more. The curve has a **low shelf** (default 120 Hz), a **bell** (default 1 kHz) and a **high shelf** (default 8 kHz).

- **Drag a point left or right** to move it: the shelves reach 20 Hz to 20 kHz, the bell 100 Hz to 10 kHz. The points may cross.
- **Drag it up or down** for how much applies there.
- **Scroll over it** to set its width: the bell's Q, or a shelf's slope (0.15 to 4 octaves; scrolling up makes it narrower).
- **Double-click it** to reset it.

Hover a point to read its frequency, amount and width.

Keep the voice: if De-noise thins out a voice, pull the bell down around the voice's body and leave the shelves up where the hiss and rumble live.

De-reverb and Peak Smoother

De-reverb

Takes room sound out of a recording. Its view shows the level going in, the level coming out, and the verb taken out shaded between them. The readouts give how much verb it is removing and how fast the sound decays before and after (*Decay 149 ms, now 117 ms*).

Knob	Range	What it Does
Early	0 to 150% · default 50%	How much of the room's first reflections, just after each sound starts, is taken out.
Late	0 to 150% · default 50%	How much of the room's long tail is taken out.
Tail	0.2 to 6 s · default 1.00 s	How long the room rings out. Set it close to the room you hear.

Peak Smoother

Pulls down harsh peaks in the tone, such as a ringing resonance or a whistle, only while they poke out. Its view shows the sound's spectrum and the cuts it is making, hanging from the top as dips, with its own focus curve. The readouts give its deepest cut and how many peaks it is taming.

Knob	Range	What it Does
Amount	0 to 200% · default 100%	How far a harsh peak is pulled down when it pokes out.
Sharpness	0 to 100% · default 50%	Higher cuts narrower and leaves broad bumps alone.
Attack	4 to 250 ms · default 32 ms	How fast a peak is caught once it pokes out. Right is slower.
Release	16 to 1000 ms · default 126 ms	How fast the cut lets go once the peak is gone. Right is slower.

Its focus curve works exactly like De-noise's (Section 3) (its shelves start at 200 Hz and 16 kHz). By default all three points sit at 100%, so the curve is flat and it works evenly across the whole range. Double-click a point to put it back.

A ringing hit: switch Peak Smoother on, raise Sharpness so only the ring is cut, then set Amount by ear.

Quality, latency and levels

Quality

Low, Med or High on each card · default High

Low adds the least delay and CPU. **Med** is the everyday setting. **High** is the deepest repair: it looks further ahead and adds the most delay. Each module has its own Quality, and its tooltip says that module's delay at each setting. Quality is not automatable, because a change moves the latency: the sound fades out and back in over a moment while WildClean re-reports its delay to your DAW.

The latency is the delays of the modules that are on, added together: 0 ms with every module off. Switching a module on or off fades the sound out and back in while WildClean re-reports it; the order never changes it. At 48 kHz:

MODULE	LOW	MED	HIGH
De-clip	6 ms	9 ms	17 ms
De-click	21 ms	95 ms	135 ms
De-noise	21 ms	85 ms	384 ms
De-reverb	21 ms	85 ms	469 ms
Peak Smoother	21 ms	43 ms	149 ms
All five	91 ms	317 ms	1155 ms

The footer shows the total (*Latency 384 ms* with De-noise alone at High); hover it for the exact number of samples. Your DAW's delay compensation lines the repaired sound up with your other tracks.

Latency: Normal or Low

in the footer · default Normal · saved with the session

Normal: every module runs the Quality you picked. **Low**: every module runs at Low for the least delay (91 ms at 48 kHz with all five on), for recording or live monitoring. Every module's Quality shows Low while it is on; switch back to Normal and each module returns to the Quality you picked.

KNOB	RANGE	WHAT IT DOES
Input	-24 to +24 dB · default 0 dB	Level into the repair.
Output	-24 to +24 dB · default 0 dB	Level out of the plugin.
Mix	0 to 100% · default 100%	Blends the repaired sound with the original. Below 100% some of the original clicks, clipping and noise come back.

Presets and the header

The menu in the top-right is your preset list. WildClean ships no factory presets: every recording needs its own repair, so the list is for the ones you save yourself. A preset holds the whole repair: every control, the module order and the learned noise print. Which cards are open stays as it is in your session.

- **Init:** returns every control and the order to WildClean's starting point. A learned noise print is kept.
- **User:** the presets you have saved. The arrows beside the menu step through them.
- **Save:** saves over the preset you loaded, under the same name. It is available when one of your presets is loaded.
- **Save As...:** names a new preset and saves it.
- **Refresh List:** rescans the presets folder for anything added since you opened the plugin.

A * after the name means the settings have changed since that preset was loaded.

Presets live in your Documents folder under *Wildflower / WildClean / Presets / User*: easy to back up or share.

Tooltips, Large Text and Size

Hover any control for a short description. The **Tooltips** checkbox under the preset menu turns those hints on or off, and your choice is remembered across sessions and every Wildflower plugin. **Large Text** draws the text larger, and **Size** changes the size of the window (75, 100, 125, 150 or 200%). The version number above the menu turns red when a newer version is out; hover it for the details.

The manual

The small **Manual** button next to the Tooltips checkbox opens this guide any time. That is the copy the installer put on your computer; if it is missing, the plugin says so and offers our website instead. (The flower mark and the WILDFLOWER SOUND line open our website; the **WildClean** wordmark opens this plugin's own page on the site.)

Every knob

Double-click the number under a knob to type a value (Enter commits, Esc cancels). **Double-click the dial** to return it to its default. **Right-click a knob** for your DAW's own menu for that parameter (automation, MIDI learn and so on), where your host offers one.

Specifications

Formats	macOS: VST3, AU and AAX (Pro Tools). Windows: VST3 and AAX (Pro Tools). AU is a macOS format.
Channels	Mono, stereo, and mono in to stereo out. No surround.
Latency	The delays of the modules that are on, added together and reported to your DAW: 0 ms with every module off (the default). With all five on at 48 kHz: 1155 ms at High (the default Quality), 317 ms at Med, 91 ms at Low. Changing the order never changes it.
CPU	Almost none at the defaults, with every module off. With all five modules on at 48 kHz, about 17% of one core at High (the default Quality) and about 9% at Med, measured on a recent desktop processor. Higher sample rates use more.
Automation	Every knob, the focus points, On, Hear removed, Stereo and the noise print are host-automatable with stable parameter IDs. Quality and the Latency switch are not, because they move the latency.

A few favorite moves

- **Clean a field recording:** Learn the noise on a quiet stretch, then raise De-noise Amount until the hiss sits where you want it.
- **Save a clipped take:** De-clip on, Hear removed lit, and lower Threshold until its lines sit on the flat tops.
- **Dry up dialogue:** De-reverb on, Tail set to the room you hear, then Early and Late by ear with Hear removed lit.
- **Tame a ringing impact:** Peak Smoother on, Sharpness up, Attack short.
- **Keep a shoot consistent:** save the repair as a preset, noise print included, and load it on the rest of that shoot's clips.

Remember: Hear removed tells you what you are losing. If you can hear the sound you want to keep in it, back the module off.



THANKS

Thanks for using WildClean

If you hit a bug, have a question, or make something you're proud of with WildClean, we'd genuinely like to hear from you. Your feedback is how the tools get better.

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