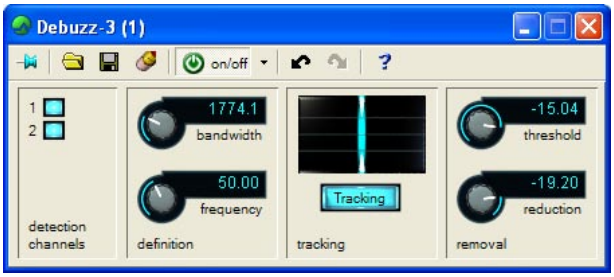
Removing buzzes and hums…

CAM7: Debuzz-3

The Cambridge Debuzz-3 algorithm is our best yet. It provides full-bandwidth processing, removing components across the entire audio spectrum, and is capable of removing all manner of buzzes and hums with fundamental frequencies as high as 500Hz. Compared with earlier algorithms, it offers improved signal modelling and better component tracking. Having locked on to the fundamental, it even has the ability to cope with jittery buzzes. Typically, Debuzz-3 will successfully remove the buzz even if the frequency drifts by as much as 2% at 50Hz at 44.1kHz sample rate.

The module also rescues signal that lies at the same frequencies as the buzz harmonics. It does this by analysing the dynamics of the signal and buzz, optimally detecting and reducing the buzz with minimal side effects.



Simple but effective

With controls to limit the processing bandwidth (and therefore improve selectivity), to limit detection and/or processing to the audio channels of your choosing, and to control the detector and amount of buzz removed, Debuzz-3 is a remarkably powerful tool.

There's even a confidence meter that allows the system to tell you whether the chosen frequency is, in fact, the true fundamental of the buzz or hum.

What's more, Debuzz-3 also takes advantage of CEDAR's unique Markers that let you transfer frequency information between CEDAR Cambridge processes. This is of huge benefit when using the 0.02Hz resolution Spectrum Analyser to detect unwanted fundamentals and their harmonics.

Debuzz-3: The best debuzzer and hum remover in the world

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