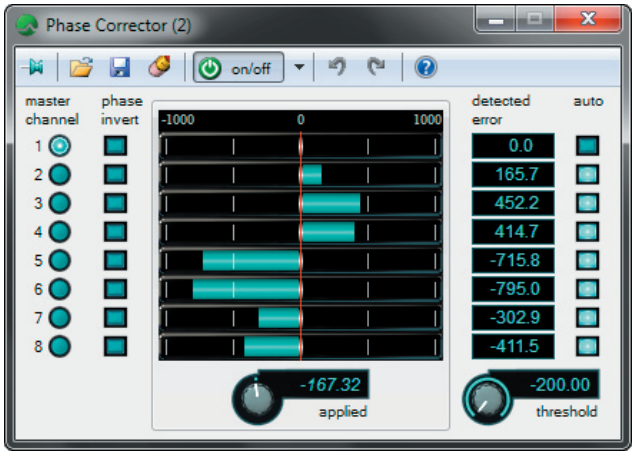
Eliminating timing errors…

CAM9: Phase Corrector

The Phase Corrector identifies the minute timing differences caused by azimuth and other mechanical errors, as well as by electronic faults in the signal chain. It then corrects these errors to an accuracy of 0.2 samples. It will track any changes in the error, dynamically updating the amount of correction it applies at any given moment. In addition, a manual mode allows you to shift a signal by as little as 0.01 samples - an offset of just 0.1 microseconds at 96kHz.

This makes it possible to improve mono compatibility, poor imaging, loss of high frequencies, muddy bass response, and the frequency response and imaging of audio that cannot be restored using EQs, dynamics processors, or any other conventional processes.



The Phase Corrector allows you to select which tracks are shifted automatically, which are shifted manually, and which (if any) are left unaffected. You can select any channel to be the master channel, and the module will calculate the independent timing errors of all the others, thus allowing you to lock-up the imaging for multitrack, 5.1 and 7.1 material.

2-Channel Tools

The Phase Corrector is particularly useful when used with the CEDAR Cambridge 2-Channel Tools module, which adds a Lissajous figure and other facilities for monitoring and adjusting signals within the system.

Recovering multi-channel imaging, high frequencies and bass response

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