

# Resample MHz signal

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Please excuse me for starting another thread on this topic. My apologies for not being specific enough the first time. But I did learn something.

What I am really looking for is external hardware that will allow me to upload an audio frequency WAV file, such a voice or music, from a PC and then play it back at 100 times the original sample rate.

The program I am using is CoolEdit, which has a built in tone generator with modulation and eveloping. It can produce 8, 16 or 32 bit resolution at 12 discrete sample rates between 6000 and 192,000.

The idea is to take advantage of this program's functionality and user-friendly GUI to produce complex signals above the audio range.

PC software (alone) is not a solution as the resulting bandwidth would be 2KH-2MHz, and therefore beyond the capabilities of a standard soundcard. DSP-based boxes for musicians are equally unsuitable for the same reason.

I seem to need a lab-type device, or something I can modify or build from scratch. Do I have any viable options here?

I have Googled big time and so far found nothing. Signal transposers would be a great project for an electronics magazine. Think of all the applications.

I hope my aim is clear enough to attract an expert response.

James Barlow.

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