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Subject: Sample rate conversions

Posted by [karle](#) on Fri, 15 Aug 2008 18:33:49 GMT

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I will be doing some tests, to find out if people can really hear the difference if a song is played at different sampling rates. Does anyone know about a computer / Software / Hardware bundle that would enable playing songs and changing the master clock on the fly? I would need the DA converter to switch its clock automatically, according to the signal it receives at the inputs and the finest equipment if possible. Also, if you already conducted such an experiment, I'd like to know:

- 1-Start with a 192kHz source, downsample it and play it back at the downsampled rates on the D to A converter
- 2-Start with a 192kHz source, downsample it and play it back at the highest rate on the D to A converter
- 3-Record the same performance at different sample rates and then play it back at its native sample rate

Karle

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Subject: Re: Sample rate conversions

Posted by [Wayne Parham](#) on Mon, 18 Aug 2008 17:44:14 GMT

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Visit with Keith Larson, the designer of the Speaker Tester. You can reach him at the "Contact Us" page from the link below. Keith is very knowledgeable about modern DAC/ADC and audio applications that use them. Things have changed a lot since the days when DACs were resistor ladders and ADCs were the same thing with successive approximation and comparators. Because of this, I would suggest you examine various chipsets and codecs in addition to resolution and sampling rate, as the components and codecs chosen will have as much or more impact on sound quality as the resolution and sampling rate does.

Smith & Larson website

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