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Subject: What is a "digital amp"?

Posted by [wunhuanglo](#) on Sat, 13 Nov 2004 14:12:24 GMT

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Is it an amp that has D/A converters at the inputs? Is it an amp that uses a hi-freq switching power supply? I've tried to Google this concept, but it's still quite unclear to me. TIA

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Subject: Re: What is a "digital amp"?

Posted by [Wayne Parham](#) on Mon, 15 Nov 2004 03:13:49 GMT

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Hi Charlie, Check out the Tripath data sheets for typical applications, because they will kind of show you what they're doing. It achieves efficiency like a switching supply, only the signal that's switched is the audio signal. The output is a high-current digital pulse train approximation of the input signal. It is sampled at a very high rate so the pulse train is a close approximation. Summing to provide D/A conversion is done in the output circuit. Wayne

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Subject: Re: "digital amp" - Thank you, Wayne

Posted by [wunhuanglo](#) on Mon, 15 Nov 2004 23:39:31 GMT

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I didn't understand much except your explanation. I appreciate the help.

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