Subject: Re: Analog vs Digital
Posted by Adveser on Mon, 21 Mar 2011 11:58:31 GMT
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Here's some stray observations. I may alternate between the spelling of words:

Can analog produce a perfect copy of the original mater tapes in any form? No.

Can you make unlimited bit-for-bit perfect copies of the original digital master tapes with digital? Yes

Digital enhances fidelity by eliminating high frequency masking and noise generated by mechanical noise, as well as eliminating the physical limitations and nonlinear response of magnetic material.

We can simulate the tonal characteristics of analogue reproduction with digital processing, with far more accuracy, control and can specifically change characteristics that have drastic effects on the real analog equipment such as amplifiers and speakers.

Purely analogue playback is completely fruitless if a single process in the reproduction of the material is done digitally.

Digital will always sound superior if any one part of the production process was done digitally.

Class A/B (or another analogue) amplification will always be superior to Class-D amplification because speakers are analog devices. Eliminate op-amp based pre-amps to create dead silent operation.

If you want something to sound like it was done analogue, run it through the analogue equipment and record it digitally. It's gonna end up there eventually anyway!

Only classic recordings of a period where the recording, editing, mixing, mastering, and pressing were all strictly analog and original could one even consider using a mass-produced and inferior analogue copy of the original master tapes.

That's all the ranting I wanna do tonight