
Subject: 16/44.1 vs 24/96 -maybe not much apparent difference??

Posted by [emaren0t](#) on Sat, 29 Dec 2007 23:54:28 GMT

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I was checking out the Reaper forums and found this:

<http://www.cockos.com/forum/showthread.php?t=14655>

The first post offers this link:

<http://theaudiocritic.com/blog/index...Id=41&blogId=1>

Both links provide information suggesting that in blind listening tests, "the two-channel analog output of a high-end SACD/DVD-A player undergoes no audible change when passed through a 16-bit/44.1-kHz A/D/A processor.

Critic, 17 Oct, 2007). The discussion that follows on the forum is interesting as well.

MR

Subject: Re: 16/44.1 vs 24/96 -maybe not much apparent difference??

Posted by [dc\[3\]](#) on Sun, 30 Dec 2007 00:28:12 GMT

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The whole higher bit depth and sample rate making way better sound is pretty much a myth. It was generated by widespread misconceptions about "missing information" in digital audio.

IM experience, it makes a slight difference, not a major one, and this is consistent with the facts about how sampling actually works.

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"Mike R." <emaren0t@yahoo.com> wrote:

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Subject: Re: 16/44.1 vs 24/96 -maybe not much apparent difference??

Posted by [Deej](#) on Sun, 30 Dec 2007 07:41:03 GMT

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what I'm hearing at 88.2 is a top end that reminds me a little of what I heard with tape. Not the saturation aspects wherein tape was spanked hard for a compression effect as much as just the way the tape smoothed off the harshness in the 3-5 k range and softened the 12k and up.

Having said that, it's a bit of a struggle to nail the mix as easily as tracking to 44.1. 44.1 just seems to push the middle of the mix forward and this is what you hear on CD. At 88.2, getting the mix to have that forwardness takes a little more doing...it's like at 44.1 you're mixing to your final medium. At 88.2 you're not and once it is SRC'ed/dithered, it may not end up sounding quite like you thought it would, or at least like what your ears were expecting that it would sound. The internal processing (especially with the UAD-1 and POCO cards) is a bit superior at 88.2.

I'm starting to like 88.2, but I'm getting ready to go to a dual boot system (one OS for 44.1 and the other for 88.2 as I had described earlier). In my particular situation, it will just make things make more sense as far as port naming and improve workflow. In the meantime, what I've got here is working nicely.

You still liking the 5042???.....isn't that thing the nuts?

Deej

"Neil" <OIOIU@OIU.com> wrote in message news:47774051\$1@linux...

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Subject: Re: 16/44.1 vs 24/96 -maybe not much apparent difference??

Posted by [Neil](#) on Sun, 30 Dec 2007 07:49:45 GMT

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Secondly, how's this: it makes enough of a difference to make enough of a difference... and that's enough for me.

It's like i've said before, at a certain level, this game is about incremental improvements, whether it's the incremental improvement you get from switching from let's say a quite good midrange mic pre to a really great high-end mic pre, or mic, or what have you.

Personally, I'm convinced - but don't believe me, or Dan Lavry or Bob Katz, or DeeJ - who's now also an 88.2 disciple... try it for yourself! This is an EASY one you can try for yourself, too... because it costs you fucking NOTHING to do so, if you already have a convertor set that'll do that samplerate, and

nowadays most of us do! Track a project from start to finish at 88.2k, i dare ya... you'll never look back. ;)

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Posted by [Neil](#) on Sun, 30 Dec 2007 07:53:05 GMT

[View Forum Message](#) <> [Reply to Message](#)

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Posted by [Neil](#) on Sun, 30 Dec 2007 08:57:18 GMT

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It's interesting that you're hearing something akin to what you used to get with tape, because i'm not hearing that at all, and I NEVER used to use 15ips... it was always 30 (for the high end!).

I'm hearing a much clearer high end than either with 44.1 digi or my recollections of the days of tape - which for me are 16-18 years ago at the most recent, admittedly.

Neil

"Deej" <noway@jose.org> wrote:
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Subject: Re: 16/44.1 vs 24/96 -maybe not much apparent difference??

Posted by [dc\[3\]](#) on Sun, 30 Dec 2007 10:45:01 GMT

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That's right. going up to 88.2 or 96, makes an incremental, not a revolutionary improvement. I'm with you.

Dan Lavry wrote some of the best papers out there on the misconceptions about digital audio BTW.

http://www.lavryengineering.com/index_html.html

DC

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Posted by [Deej](#) on Sun, 30 Dec 2007 20:59:06 GMT

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This is a multi-part message in MIME format.

-----=_NextPart_000_006B_01C84AEC.25008EF0

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charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

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Deej

"Neil" <OUIOIU@OIU.com> wrote in message [news:47774f5e\\$1@linux...](news:47774f5e$1@linux...)

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-----=_NextPart_000_006B_01C84AEC.25008EF0

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Content-Transfer-Encoding: quoted-printable

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<DIV> </DIV>

<DIV>"Neil" <<A=20

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Subject: Re: 16/44.1 vs 24/96 -maybe not much apparent difference??
Posted by [LaMontt](#) on Mon, 31 Dec 2007 01:50:09 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hey Mike and others. I hate discussing this subject because it brings out the mathmeticians, rather than msuicians with ears.

Having said that, I'll stick my neck again and again, and say that :

-Depending on the DAW app you're using, determins how a given 44.1/16bit, 24k, 88.2 etc will sound..

-If you're using the Steinberg products, then Neil is right. The tracks and mix sound better at higher sample rates. I did a test recording using 96k...then recorded back down to 16bit.. The 96k track was "rounder" more defined..

-Aw...But, in Paris, I can't tell the diffence btw tracing in 24bit or 16 bit..

-In Pro Tools, you'll notice a nice "tighter" sound when tracking @96 than in 16 or 24bit..

My finding are non-scientific..Just using my ears, and they are really good. Brian T has been saying that "Software Has a Sound" for years.. I agree..

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Posted by [LaMontt](#) on Mon, 31 Dec 2007 01:56:54 GMT
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