## OT: I wish for sample rates lower than 16bit - anyone else?
Posted by exuviae - 2013/06/27 07:44
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Title says it all.

MD has a really nice 12 bit sound and can go even lower on the recorders...why not the OT?

discuss

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by natefrogg - 2013/06/27 08:05
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bit rate reduction can be done through the lo-fi effect, you can reduce the sample rate too if you like

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by sausmatoe - 2013/08/26 12:20
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Just found this thread as its something I've been thinking about lately. I would love the option to load samples into the slot list in 12 bit and 8 bit.

Would be a great way to add some extra crunch to samples as well as freeing up some more sample time...

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by neilbaldwin - 2013/08/26 16:14
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LOFI effect: has both sample and bit rate reduction. Flexible, versatile and p-lockable.

You could, in theory, pre-process a sample as it loads to make it 8-bit (or whatever) by dividing each sample by 256 (in the case of a 16-bit to 8-bit). This would quantise the sample to 8-bits. The problem is that the OTs data handling and sample playback (most likely governed by the DSP) will be based on 16 (or more likely 32) bit design. Therefore your pre-processed quantized sample would still load as 16 bit data, thus not actually saving you any sample memory.

In that case, the pre-process is redundant because that's what the LOFI effect does.

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by RyanA4 - 2013/08/26 23:39
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http://www.youtube.com/watch?v=g7Bs9jDw3Mw

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by sausmatoe - 2013/08/27 12:02
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It's not really the same though is it?

I love the sound of loading samples into the MD UW, I often make whole tracks with it. Sounds a lot better than just adding the LoFi effect to a master track in the OT...

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by Pish - 2013/08/27 14:18
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That's why I still love my MDUW. The grit on some samples is something else in comparison.

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by neilbaldwin - 2013/08/27 21:21
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sausmatoe wrote:
It's not really the same though is it?

I love the sound of loading samples into the MD UW, I often make whole tracks with it. Sounds a lot better than just adding the LoFi effect to a master track in the OT...

For what you're trying to achieve, the master track is probably not the best place for the LOFI effect.

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by Bath House - 2013/08/28 06:38
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For the record, the term is "dit depth," not "bit rate."

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by rhizome - 2013/08/28 11:41
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I agree with you... but the OT parameter is called bit rate reduction! are we missing something?

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by sausmatoe - 2013/08/28 13:08
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We are talking about the Flex Format options in the Memory menu.

From page 39 of the manual:

FLEX FORMAT controls what bit depth samples will be in when loaded to the Flex sample slot list. Samples loaded to the Static slot list are unaffected by this setting. Two settings exist.

â€¢ 24-BIT will retain the bit depth of 24-bit samples when they are loaded. 16-bit samples will still be in 16-bit.

â€¢ 16-BIT will convert 24-bit samples to 16-bit samples when loaded, meaning samples will occupy less Flex RAM memory at the cost of reduced bit depth. If a sample is saved when this setting is active, it will be saved as a 16 bit sample no matter the original bit depth. If a 24-bit sample is saved a prompt will appear informing it will be saved as a 16-bit sample.

Would be cool if there was the option for 12-BIT and 8-Bit as well...

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by neilbaldwin - 2013/08/28 18:43
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Like I speculated, based on that quote out of the manual, it would seem that any sample loaded as 8 or 12 bit would occupy the same amount of resource (if it was implemented) as a 16 bit sample. Therefore no sample memory saving.

LOFI effect.

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## Re:OT: I wish for sample rates lower than 16bit - anyone else?
Posted by sausmatoe - 2013/08/29 08:41
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neilbaldwin wrote:
Like I speculated, based on that quote out of the manual, it would seem that any sample loaded as 8 or 12 bit would occupy the same amount of resource (if it was implemented) as a 16 bit sample. Therefore no sample memory saving.

LOFI effect.

BUT... if samples could be converted to 12BIT to begin with this would save having to use the LOFI effect on individual tracks... I already wish I could use more effects on each track, especially since I use a nearly always use a filter. Saving memory is not really that big a deal, I just thought it might be an added benefit.

Ideally I could set the OT to 12BIT mode (or 8BIT mode), load samples into the flex pool at 12 BIT so they are nice and crunchy, then still have two effects slots per track to work with...

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