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Subject: DP4 Drum Plate pre-delay bug??  
Posted by [Kim W](#) on Wed, 18 Jun 2008 09:44:11 GMT  
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Hey Mike.  
Loving it more and more....  
I have been setting up a new mix tonight, and whilst messing with the predelay,  
I noticed that setting it to zero,  
actually sounds as though it is more like 0.1 sec.  
(longer than the available 80 ms.)  
Is this possible?  
No biggie, as 0.01 sounds fine, as a minimum.  
Just wondering if this is an anomaly.  
If it is, don't fix it, as I have warmed to this thing on vocals,  
and the extra 20 ms (as available on the stock Paris plate), is  
often useful.  
(Unless ofcourse, you could up the maximum predelay.)  
Kim

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Subject: Re: DP4 Drum Plate pre-delay bug??  
Posted by [Mike Audet](#) on Fri, 20 Jun 2008 22:19:07 GMT  
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Hi Kim,

I've been thinking about this. The ESP Chip has circular delays, which means  
that position 0 should be the very last sample in the array the last time  
the clock ticked, or one past on the current tick. Having said that, the  
array is initialized at 48k so that it is long enough for the longest possible  
series of samples. I suspect that you are jumping to the full length of  
the array by setting the predelay to zero, which would be longer than what  
you would expect as long as you are at 44.1k.

I hope this clears it up. I'll just leave it as a "feature".

:)

"Kim W." <no@way.com> wrote:

>  
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