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Subject: ULN-8: using Mic-Inputs for +4db Line - Instruments (?)

Posted by [tompisa](#) on Fri, 25 Dec 2015 19:38:08 GMT

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I wonder if there might be a problem when I use the Mic Inputs for Line Instruments (such as Synthesizers or digital Workstations) .

Do I have to expect any (negative) differences in sound quality or facing other issues when using ULN-8 Mic Inputs instead of Line Inputs (+4db settings in MIO) ?

thank you

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Subject: Re: ULN-8: using Mic-Inputs for +4db Line - Instruments (?)

Posted by [bj](#) on Sun, 27 Dec 2015 21:14:51 GMT

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The input impedance of the Mic inputs is lower than the line inputs. In addition, the Mic Inputs have DC blocking capacitors that the line inputs do not have.

If the output impedance of the line-level source is low (as it should be with modern gear), then the difference in input impedance should not make any real difference in the sound.

The DC blocking cap adds a high-pass filter (that's the point -- to block the DC phantom voltage); the corner frequency of this filter is very low (a few hertz) so it will not have any effect on the frequency response, but it does introduce a frequency sensitive phase shift, that may (or may not) have some impact on the timbre of the sound (it will be very dependent of on the nature of the audio).

The line input path is going to be the most transparent for a line-level signal. But the Mic Input path is almost as transparent.

For most sources, it is unlikely that you will be able to tell the difference, but there are some sources that you will be able to distinguish the input paths.

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Subject: Re: ULN-8: using Mic-Inputs for +4db Line - Instruments (?)

Posted by [tompisa](#) on Sun, 27 Dec 2015 21:53:09 GMT

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Thank you BJ. Well yes, I cannot hear a difference when using the mic Input vs the line input . ULN8 still rocks even as a stand alone converter for my Win 7 system ;) btw: it's connected with a MARIAN D4 AES/ EBU PCi e card. great combination , super fast, super tight.

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Subject: Re: ULN-8: using Mic-Inputs for +4db Line - Instruments (?)

Posted by [Mark](#) on Tue, 16 May 2017 09:00:01 GMT

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Hi, so does a line input path include the DI? To be used in my case with a Nord Stage 2 and occasionally Mini Moog. Would I use high or low out on the Mini Moog? Thanks from a very excited noob reading up waiting for my ULN8 to be here. Cheers, Mark.

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Subject: Re: ULN-8: using Mic-Inputs for +4db Line - Instruments (?)

Posted by [Torsten Lang](#) on Wed, 31 Oct 2018 23:50:05 GMT

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I also have a question about this. Can you tell me what the technical difference is between the Mic and the Instrument Input? Because in the manual it says both have 200k. I always thought the instrument input would have a higher impedance than the others. Also when going with guitar through a passive DI into the 2882, should I still select instrument input or what would be best? As far as I know high impedance sources when split passively need to be connected to high impedance inputs, right?

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Subject: Re: ULN-8: using Mic-Inputs for +4db Line - Instruments (?)

Posted by [Ibachir2000](#) on Wed, 16 Jan 2019 11:25:02 GMT

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Torsten Lang wrote on Wed, 31 October 2018 19:50 I also have a question about this. Can you tell me what the technical difference is between the Mic and the Instrument Input? Because in the manual it says both have 200k. I always thought the instrument input would have a higher impedance than the others. Also when going with guitar through a passive DI into the 2882, should I still select instrument input or what would be best? As far as I know high impedance sources when split passively need to be connected to high impedance inputs, right?

I likewise have an inquiry concerning this. Would you be able to reveal to me what the specialized distinction is between the Mic and the Instrument Input? Since in the manual it says both have 200k. I generally thought the instrument information would have a higher impedance than the others. Additionally while running with guitar through a uninvolved DI into the 2882, would it be a good idea for me to in any case select instrument input or what might be ideal? To the extent I realize high impedance sources when part latently should be associated with high impedance inputs, isn't that so?

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