

# Re: Tone generation using DAC

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- *From:* "CWatters" <[colin.watters@xxxxxxxxxxxxxx](mailto:colin.watters@xxxxxxxxxxxxxx)>
  - *Date:* Thu, 13 Oct 2005 19:45:40 GMT
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"SP" <[prem.sivasamy@xxxxxxxxxx](mailto:prem.sivasamy@xxxxxxxxxx)> wrote in message  
[news:1129222727.333875.109280@xx](mailto:news:1129222727.333875.109280@xx)  
> Hi,  
> I am looking for some info to generate tone using DAC TLV5626. I am  
> planning to send f1, d1, f2, d2, ...(f = freq, d=duration).

You can't send the data to the DAC in that format. The TLV5626 is a straightforward dual channel (Stereo) DAC not a function generator. I think it needs 8 bits of data per channel at the sample rate of the DAC. You need to write a bunch of code that takes the data in the format you mentioned and turns it into a waveform and then outputs it to the DAC. You might consider using look up tables to generate the waveforms.

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