

W05 Feb 12 (D1) Additional features for the ABC player

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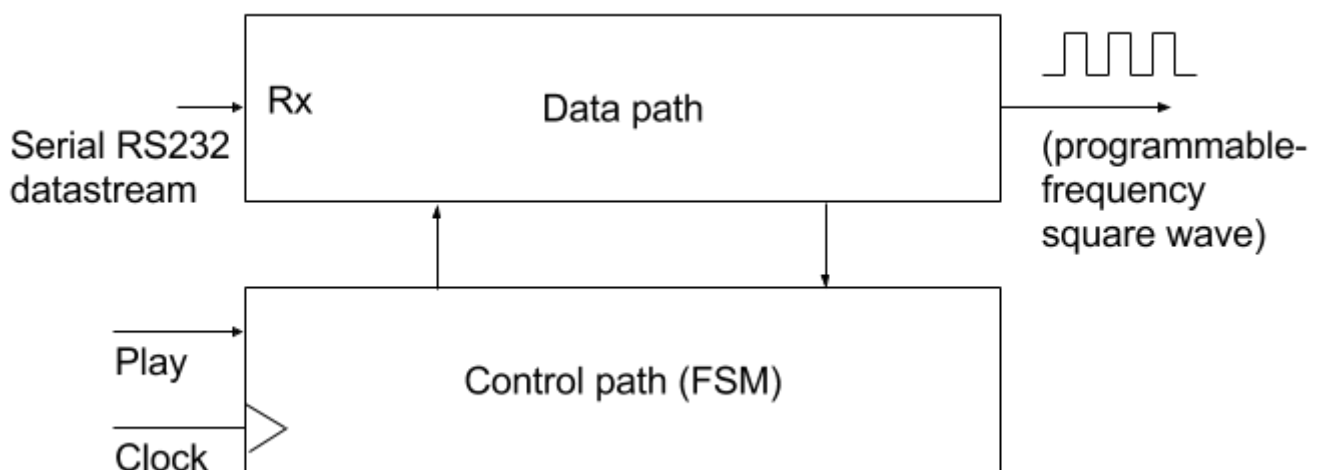
[All Sections](#)

These questions are presented under the following assumptions:

- They may be selected to be part of the final exam
- Responses must be posted by the students (not me)
- I will call your attention to any mistakes or wrong content posted in response

Consider the music box specification presented for CCW#2, and assume that you want to extend its functionality in order to support tune loading via RS232 and a local “Play” button as illustrated below. What changes would be required to the original datapath in order to:

- Enable up to 8 tunes stored in the local RAM, and tune selection using 3 local switches
- Enable a loop mode that keeps playing the selected tune (press “Play” once to start, press again to stop)

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