

## MATH 109 / MUSIC 109M

### TO ENTER NOTES INTO A FINALE FILE FROM THE KURZWEIL

Begin by opening a Finale file on the Mac. Create the desired staves, clefs, time signature and key signature.

Preliminary check: For computer and synthesizer to communicate, the black button on the green USB interface box should be pushed in (USB). The green USB light should be pulsating, indicating there is a MIDI connection between computer and synthesizer. To begin, however, set the button to the out position (otherwise manual operations on the Kurzweil's scroll wheel will be overridden).

1. On the Kurzweil, hit the PROGRAM button. Select a channel to provide the metronome sound (any channel is okay).
2. Scroll through the instrument sounds and select one to be the metronome sound. It's obviously best to select an atonal percussion sound. Preset instruments 50-65 are all percussion. Now push in the black button on the green UBB box. Note: Sometimes the scroll wheel acts erratically when Finale is running. If you experience this here or in future steps, temporarily reset the black button on the green USB interface box to the out position, which disconnects the computer and the synthesizer. Just remember that for the two to communicate the button must be pushed in.
3. In Finale, select the HyperScribe Tool, the one with the keyboard icon. This tool will play the metronome while it records the notes you play on the Kurzweil keyboard.
4. Under the HyperScribe menu item, select Record Mode. If you want your notes to go onto one staff, select Record into One Staff. If you want notes to go onto two staves, say treble and bass, select Split into Two Staves, and you will be prompted to choose the note that will be the "splitting point". MIDI note 60 – middle C - is the default.
5. Again under the HyperScribe menu item, select Beat Source and then Playback and/or click. This allows you to select the tempo and which durational note the metronome will play. Select Use This Tempo, and either enter a number of beats per minute, or select listen and play a few notes on the Kurzweil at the tempo you desire. (The black button on the Green box must be pushed in to do the latter.) Select the durational note you wish to represent one beat.
6. Also, set Start Signal for Recording to Any MIDI Data.
7. In the same dialogue box, select Click and Countoff. This brings up a new dialogue box that allows you to select the number of count-off measures you will hear before recording, and to select the drum sound you wish to hear as a metronome.
8. In the upper right corner of this box, select the number of count-off measures you desire. Then set the Source designation to MIDI Note.
9. On the Kurzweil, select a drum sound to be the downbeat sound (first beat in the measure) and one to be the backbeat sound (all other beats in the measure).

10. You communicate these selections to the Kurzweil by selecting the Listen boxes. When you do this you see a box that says “Finale is listening.” When you play the sound on the Kurzweil, that sound has been selected. Note that Finale records the channel and the key velocity as well.

11. After clicking OK twice to dispense with these dialogue boxes, again go to the HyperScribe menu item and select HyperScribe Options. In this the dialogue box Receive On: should be set to the specific channel from which you will be entering notes (not the channel you’ve selected for the metronome).

12. Now select Quant Settings. In the Quantization Settings dialogue box, the most important thing to set is the Smallest Note Value, which tells Finale to “round off”, accommodating for inaccurate keyboard playing. It’s best to select the smallest note value that will be used amongst the notes you intend to enter. There are other choices you can make here which are self-explanatory. When you are finished, click OK to close the dialogue boxes.

13. On the Kurzweil, select a channel other than the drum channel and scroll to find a desirable instrument for entering notes (a piano, for example).

14. In Finale, with the HyperScribe Tool selected, mouse click the first measure where you want note entry to occur. You will see a box enclosing the measure. Check the Kurzweil to see that your selections of beat source and instrument to play have remained intact. If not, then as per the remark in Step 2, you may need to, in this order, disengage the USB on the green box, reselect you instruments, select the starting measure with Hyperscribe, and then engage the USB again. You are now ready to record.

15. The first note you play on the Kurzweil keyboard is not recorded. It triggers the metronome, which should commence. After hearing the number of count-off measures you have selected, begin playing the keyboard. Your notes will be entered into the Finale file. When you are finished, a click of the mouse will stop the metronome sound.

16. To play back the notes using the same instrument you used to enter them, go to Score Manager in the Window menu and be sure the channel and instrument (program) selected for the staff where the notes were entered matches the one you used to enter the notes. The notes will play back at the tempo indicated in the Playback Controls window, not the recording tempo. This can be adjusted in that window, after mouse-clicking the green button at the top to expand the window.

17. You may now edit the notes you have entered using one of the note entry tools. Not only have the notes you played have been recorded; the precise durations and the key velocities you played in were recorded as well. These can be edited with the MIDI tool, the one whose icon resembles a MIDI plug-in socket.