

## ***Synth Controller manual addendum for edition 'ESQ8' for Ensoniq ESQ-1/ESQ-M/SQ80***

### *Midi Menue - parameter 'SX enable'*

After powering up your ESQ/SQ80 the value for 'ENABLE' in the Midi Menue is always set to 'KEYS+CT+PC+SNGSL'. In this state the ESQ/SQ80 ignores what the Synth Controller wants to tell it. You have to change the parameter to 'KEYS+CT+PC+SS+SX' for getting things to work. Also go sure the midichannels are identical in the Synth Controller and the SQ80/ESQ.

### *No Realtime-feedback*

It's a shame but we cannot change it: due to it's internal architecture (or OS) the ESQ/SQ80 can not change parameters on held notes. In other words: the changes you make with the Synth Controller will first reflect after the next pressed note.

Example: you hold a chord and tweak cutoff. Nothing happens. Press the next note/chord and you will hear what you changed.

### *L VELO & T4*

These 2 pots are middled: in the middle it's 0, both sided are increasing to 63 butr with different 'modes' respectively.

For the VELO pot the sides select different velocity modes. Left side should be linear (display shows 00L to 63L), the other is exponential (display showing 00X to 63X).

For the TIME pot there is an special mode called "Simulated Reverb". As well: from the middle position of the pot, the value increases to both sides up to +63. One side is normal TIME4 (display showing 00 to 63). To the other side it's release with simulated Reverb (display showing 00R to 63R)

### *Update 07/2020*

A customer claimed the exponential Velo and Reverb Time4 sets wrong values in his ESQ1. Looks like the ESQ1/M does not support these features of the SQ-80, being used for developement. We split the firmware into version for SQ-80 making use of the above and a version for the ESQ1/M setting just simple values from 0-63.