

Common modifications to the ZEN COMPOSER

I. How to add a module

Search for "BLANK MODULE" and there is a basic code template to write your own program which will be active when the uppermost pot is "violet" position.

II. How to add microtonals

Microtonals can be added in MIDI through the use of the pitch bend command. A search for "microtonals" will provide a code stub for making particular pads play microtonal notes.

III. How to change the pad mapping.

Search for "CmajS" will locate the beginning of a set of variables that map pad numbers (0-8) to MIDI numbers. Change these variables to change the mapping.

IV. How to change the chord patterns

Search for "chord patternA0" to find the chord pattern variables. The first matrix row is the MIDI note values and the second matrix row is the clock time in 16 beat measure when the note is played. You need one pattern for each pad (A0-A8)

V. How to change the velocity profile (the mapping between MIDI volume and accelerometer value (how hard you hit the pads))

Search for "piecewise velocity curve" to find the current piecewise function. Change these threshold values and/or the volume values.

See the example modules that are provided and don't hesitate to reach out if you have questions or suggestions.