# MIDIBox AY 3 8912 - TUNE FEATURES

## MIDIBox AY 3 8912 - USER (DE)TUNE MENU

- Press **F2** (F1 + SHIFT) TO VIEW THE **USER (DE)TUNE MENU** OPTIONS

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| TONE | COARSE | FINE |
|---|---|---|
| CH. A | -7 to +8 | -127 to +128 |
| CH. B | -7 to +8 | -127 to +128 |
| CH. C | -7 to +8 | -127 to +128 |

A positive offset means to increase the frequency of tone A, B, or C.

A negative offset means to decrease the frequency of tone A, B, or C.

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## DETUNE TONE A, B and C

In the TUNE MENU you can put a positive or negative OFFSET to each TUNE REGISTER (press [+]/[-]).

Notice: **the tune ratio of the AY 3 8912 chip is not linear**, so any offset will **DETUNE** A, B and C (not transpose!). The +/- offset can put the tune value out of range - in this case You'll hear no sound.

## BACKGROUND: THE AY 3 8912 TUNE REGISTER

The frequency of each square wave (A, B, and C) is defined trough the respective value of the COARSE TUNE REG (4bit) and the FINE TUNE REG (8bit).

For Details see the MIDIBox AY 3 8912 MIDI to Hz Chart:

- ⇒ MB AY 3 8912 - MIDI to Hz Chart

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